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EUGENE

CATALOG 1918-1919
ANNOUNCEMENTS 1919-1920

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APRIL, 1919

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EUGENE

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CALENDAR, 1919

JULY							AUGUST							SEPTEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
		1	2	3	4	5						1	2		1	2	3	4	5	6
6	7	8	9	10	11	12	3	4	5	6	7	8	9	7	8	9	10	11	12	13
13	14	15	16	17	18	19	10	11	12	13	14	15	16	14	15	16	17	18	19	20
20	21	22	23	24	25	26	17	18	19	20	21	22	23	21	22	23	24	25	26	27
27	28	29	30	31			24	25	26	27	28	29	30	28	29	30				
							31													

OCTOBER							NOVEMBER							DECEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
			1	2	3	4							1		1	2	3	4	5	6
5	6	7	8	9	10	11	2	3	4	5	6	7	8	7	8	9	10	11	12	13
12	13	14	15	16	17	18	9	10	11	12	13	14	15	14	15	16	17	18	19	20
19	20	21	22	23	24	25	16	17	18	19	20	21	22	21	22	23	24	25	26	27
26	27	28	29	30	31		23	24	25	26	27	28	29	28	29	30	31			
							30													

CALENDAR, 1920

JANUARY							FEBRUARY							MARCH						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
				1	2	3	1	2	3	4	5	6	7		1	2	3	4	5	6
4	5	6	7	8	9	10	8	9	10	11	12	13	14	7	8	9	10	11	12	13
11	12	13	14	15	16	17	15	16	17	18	19	20	21	14	15	16	17	18	19	20
18	19	20	21	22	23	24	22	23	24	25	26	27	28	21	22	23	24	25	26	27
25	26	27	28	29	30	31								28	29	30	31			

APRIL							MAY							JUNE						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
				1	2	3							1			1	2	3	4	5
4	5	6	7	8	9	10	2	3	4	5	6	7	8	6	7	8	9	10	11	12
11	12	13	14	15	16	17	9	10	11	12	13	14	15	13	14	15	16	17	18	19
18	19	20	21	22	23	24	16	17	18	19	20	21	22	20	21	22	23	24	25	26
25	26	27	28	29	30		23	24	25	26	27	28	29	27	28	29	30			
							30	31												

CALENDAR 1919-1920

September 27 to December 19—Fall Term.
January 5 to March 26—Winter Term.
April 5 to June 18—Spring Term.

CALENDAR IN DETAIL

September 27, Saturday.	Fall term opens. Examination in English Composition for freshmen.
September 29, Monday.	Payment of incidental fees and registration for the Upper Division. Filing of application for undergraduate, graduate, and special student standing, if such applications have not already been filed. Instructors keep office hours for consultation with students of the Upper Division.
September 30, Tuesday.	Registration of students in the Lower Division. Lower Division Advisers keep office hours.
October 1, Wednesday.	All University work begins.
October 8, Wednesday.	Regular meeting, Associated Students.
November 1, Saturday.	Last date of term for change of course.
November 26, 12 M., to November 30, Sunday.	Thanksgiving recess.
December 1, Monday.	Last date of term for withdrawal from class.
December 1, Monday. December 2, Tuesday.	Examinations for removal of conditions.
December 10, Wednesday.	Regular meeting, Associated Students.
December 17, 18, 19	Term Examinations.
December 20, Saturday, to January 4, Sunday.	Christmas vacation.
January 5, Monday.	Winter term begins.

January 20, Tuesday.	Regular meeting of the Board of Regents, Johnson Hall.
February 1, Sunday.	Last date in term for change of course.
February 22, Sunday.	Washington's birthday. A holiday.
March 1, Monday.	Last date in term for withdrawals from class.
March 10, Wednesday.	Regular meeting, Associated Students.
March 24, 25, 26.	Term examinations.
March 27, Saturday to April 4, Sunday.	Spring vacation.
April 5, Monday.	Spring term begins.
April 24, Saturday.	Date for filing with the Registrar typewritten copies of the Failing and Beekman orations.
May 1, Saturday.	Last day in term for change in course.
May 3, Monday. May 4, Tuesday	Examinations for removal of conditions.
May 5, Wednesday.	Regular meeting, Associated Students. Annual elections.
May 14, Friday. May 15, Saturday.	Junior Week-end holidays.
May 29, Saturday.	Last date of term for withdrawal from class.
May 30, Sunday.	Memorial Day. A holiday.
June 16, 17, 18.	Term examinations.
June 18, Friday.	Failing and Beekman orations, 8 P. M.
June 19, Saturday.	Alumni Council meeting, 9:00 A. M., Alumnae Association meeting, Johnson Hall, 10 A. M.; Alumni business meeting, Johnson Hall, 11 A. M.; Alumni Dinner, 12; President's reception, 3 P. M., Alumni ball, 9 P. M.
June 20, Sunday.	Baccalaureate sermon, 11 A. M.
June 21, Monday.	Commencement exercises, 10 A. M.

REGULAR MEETINGS OF BOARD OF REGENTS, 1919-20

Tuesday, January 20,	1920
Tuesday, June 14,	1920

REGULAR MEETINGS OF THE FACULTY, 1919-20

Thursday, October 2,	1919
Thursday, November 6,	1919
Thursday, December 4,	1919
Thursday, January 8,	1920
Thursday, February 5,	1920
Thursday, March 4,	1920
Thursday, April 8,	1920
Thursday, May 6,	1920
Thursday, June 3,	1920

REGULAR MEETINGS OF ATHLETIC COUNCIL, 1919-20

Saturday, December 13,	1919
Saturday, March 13	1920
Saturday, June 8,	1920

REGULAR MEETINGS, ASSOCIATED STUDENTS, 1919-20

Wednesday, October 8,	1919
Wednesday, December 10,	1919
Wednesday, March 10,	1920
Wednesday, May 5,	1920
Wednesday, June 2,	1920

OFFICERS OF THE UNIVERSITY

THE BOARD OF REGENTS

OFFICERS

HON. ROBERT S. BEAN, President HON. A. C. DIXON, Vice-President
L. H. JOHNSON, Secretary

EXECUTIVE COMMITTEE

HON. ROBERT S. BEAN, Ex Officio Chairman
HON. A. C. DIXON, Acting Chairman
HON. CHAS. H. FISHER HON. W. K. NEWELL
MRS. G. T. GERLINGER HON. LLOYD L. MULIT

EX OFFICIO MEMBERS

HON. JAMES WITHYCOMBE, Governor.....Salem
HON. BEN W. OLCOTT, Secretary of State.....Salem
HON. J. A. CHURCHILL, Superintendent of Public Instruction..Salem

APPOINTED BY THE GOVERNOR

Name and Address	Term Expires
HON. R. S. BEAN, Portland	April 15, 1929
HON. WILLIAM H. GORE, Medford	April 15,1919
HON. W. K. NEWELL, Seghers	April 15, 1921
HON. A. C. DIXON, Eugene	April 15, 1923
HON. CHAS. H. FISHER, Salem	April 15, 1923
HON. JAMES W. HAMILTON, Roseburg	April 15, 1925
MRS. G. T. GERLINGER, Dallas	April 15, 1927
HON. C. C. COLT, Portland	April 15, 1927
HON. HENRY MCKINNEY, Baker	April 15, 1927
HON. LLOYD L. MULIT, Portland	April 15, 1929

ADMINISTRATIVE OFFICERS

THE UNIVERSITY

P. L. Campbell, B. A., LL. D.,
President.

Louis H. Johnson,
Comptroller.

A. R. Tiffany, B. A.,
Registrar.

Carlton E. Spencer, LL. B.
Associate Registrar.

M. H. Douglass, M. A.,
Librarian.

Karl W. Onthank, M. A.,
Secretary to the President.

THE COLLEGES AND SCHOOLS

John Straub, M. A., Lit. D.,
Dean of College of Literature, Science and the Arts.

Frederick George Young, B. A.,
Dean of Graduate School.

Joseph Schafer, Ph. D.,
Dean of Summer School.

Henry D. Sheldon, Ph., D.,
Dean of School of Education.

K. A. J. Mackenzie, M. D.,
Dean of School of Medicine.

D. Walter Morton, M. A., C. P. A.,
Dean of School of Commerce.

Eric W. Allen, B. A.,
Dean of School of Journalism.

Ellis F. Lawrence, M. S.,
Dean of School of Architecture.

Edward W. Hope, Ph. D.,
Dean of School of Law.

*Elizabeth Freeman Fox, B. A.,
Dean of Women.

John J. Landsbury, Mus. Dr.,
Dean of School of Music.

Louise C. Erhmann, B. L.,
Acting Dean of Women.

*Leave of absence for war work.

OFFICERS OF INSTRUCTION

THE FACULTY*

P. L. Campbell, B. A., LL. D., Eugene
President of the University.
B. A. Harvard University, 1886.
LL. D. University of Colorado, 1913.

Percy Paget Adams, B. S., Eugene
Professor of Graphics.
B. A. University of Oregon, 1901; B. S., 1902.

Eric W. Allen, B. A., Eugene
Dean of the School of Journalism and
Professor of Journalism.
B. A. University of Wisconsin, 1901.

William F. Allen, Ph. D., Portland
Professor of Anatomy.

John C. Almack, B. A., Eugene
Acting Director Extension Division.
B. A. University of Oregon, 1918.

Alvin Walters Baird, B. A., M. D., Portland
Assistant Professor of Surgery.

Lieutenant-Colonel Raymond C. Baird, U. S. A., Eugene
Assistant Professor of Military Science and Tactics.

Clayton Baldwin Eugene
Assistant Professor of Drawing.

---

*With the exception of the President the Faculty are arranged in alphabetical order. Separate lists of the Faculty will be found under their respective schools.

*James Duff Barnett, Ph. D., Eugene
Professor of Political Science.
B. A. College of Emporia.
Ph. D. University of Wisconsin.

Ernest Sutherland Bates, Ph. D., Eugene
Professor of Rhetoric and American Literature.
B. A. University of Michigan, 1902; M. A., 1903.
Ph. D. Columbia University, 1908.

James Francis Bell, M. D. Portland
Professor of Theory and Practice of Medicine.

Robert L. Benson, M. D., Portland
Professor of Pathology.

John Freeman Bovard, Ph. D., Eugene
Professor of Zoology.
B. S. University of California, 1903; M. S., 1906;
Ph. D., 1917.

Colonel William H. C. Bowen, U. S. A., Eugene
Professor of Military Science and Tactics,
Commanding Officer Reserve Officers' Training Corps.

H. F. Boyce Eugene
Assistant Professor of Commerce

William Pingry Boynton, Ph. D., Eugene
Professor of Physics.
B. A. Dartmouth College, 1890; M. A., 1893.
Scholar and Fellow in Physics, Clark University, 1894-1897;
Ph. D., 1897.

I. C. Brill, B. A., M. D., Portland
Assistant Professor of Medicine.

Julia Burgess, M. A., Eugene
Professor of Rhetoric.
B. A. Wellesley College.
M. A. Radcliffe College.

---

*Leave of absence.

GEORGE E. BURGET, B. S., M. D., PORTLAND
Professor of Physiology.

ALBERT EDWARD CASWELL, Ph. D., EUGENE
Professor of Physics.
B. A. Leland Stanford Junior University, 1908;
Ph. D., 1911.

HERMAN ALDRICH CLARK, M. A., EUGENE
Professor of Latin.
B. A. University of Michigan, 1909; M. A., 1910.
Graduate Student, Charles Kendall Adams Fellow in Greek, University of Wisconsin, 1913-15.

ROBERT CARLTON CLARK, Ph. D., EUGENE
Professor of History.
B. A., M. A., University of Texas, 1901.
Ph. D., University of Wisconsin, 1905.

TIMOTHY CLORAN, Ph. D., EUGENE
Professor of Romance Languages.
B. A., Western Reserve University, 1891.
Student Universities of Berlin and Strassburg, 1897-99.
Ph. D., University of Strassburg, 1901.
Student University of Paris, 1904-05.
Student University of Madrid, 1905-06.

T. HOMER COFFIN, A. B., M. D., PORTLAND
Assistant Professor of Clinical Medicine.

EDMUND S. CONKLIN, Ph. D., EUGENE
Professor of Psychology.
B. H., Springfield, (Mass.), 1908.
Scholar and Fellow in Psychology, Clark University, 1908-11.
M. A., Clark University, 1909; Ph. D., 1911.

LIEUTENANT EARL L. COOK, U. S. A., EUGENE
Assistant Professor Military Science and Tactics.

MABEL LOUISE CUMMINGS — EUGENE
Director of Women's Gymnasium.
Boston Normal School of Gymnastics.
University of Chicago.
Tufts College Medical School.
Rush Medical School.

PETER CAMPBELL CROCKATT, M. A., — EUGENE
Professor of Economics.
B. A., University of Oregon, 1915; M. A., 1918.

BURCHARD WILSON DE BUSK, Ph. D., — EUGENE
Professor of Education.
B. S., Central Normal College, 1898.
B. A., University of Indiana, 1904.
Ph. D., Clark University, 1915.

EDGAR EZEKIEL DECOU, M. S., — EUGENE
Professor of Mathematics.
B. S., University of Wisconsin, 1894.
M. S., University of Chicago, 1897.
Graduate Student University of Chicago, 1899-1900.
University Scholar, Yale University, 1900-01.

RICHARD BENJAMIN DILLEHUNT, B. S., M. D., — PORTLAND
Professor of Anatomy.

*FREDERICK STANLEY DUNN, M. A., — EUGENE
Professor of Latin Language and Literature.
B. A. University of Oregon, 1892.
B. A. Harvard University, 1894.
M. A. University of Oregon, 1899.
M. A. Harvard University, 1903.

CHARLES H. EDMONDSON, Ph. D., — EUGENE
Professor of Zoology.
B. Ph. University of Iowa, 1903; M. S., 1904; Ph. D., 1906.

*Leave of absence for war work.

LOUISE C. EHRMANN, B. L., EUGENE
Acting Dean of Women.
B. L. University of California.

J. EARL ELSE, M. S., M. D., PORTLAND
Assistant Professor of Surgery.

*ELIZABETH FREEMAN FOX, B. A., EUGENE
Dean of Women.
B. A. Barnard College.

ALBERT N. FRENCH, M. A., EUGENE
Professor of Education.
B. A. University of Washington, 1911; M. A., 1915.

J. ALLEN GILBERT, Ph. D., M. D., PORTLAND
Assistant Professor of Medicine.

JAMES HENRY GILBERT, Ph. D., EUGENE
Professor of Economics.
B. A. University of Oregon, 1903.
Ph. D. Columbia University, 1907.

GLADYS G. GORMAN, B. A., EUGENE
Assistant Professor of Physical Education.
B. A. Wellesley, 1914.

CHESTER A. GREGORY, M. A., EUGENE
Professor of Education.
B. A., University of Indiana, 1908; M. A., 1915.

MOZELLE HAIR, B. A., EUGENE
Secretary of Extension Department.
B. A. University of Oregon, 1908.

HOWARD D. HASKINS, B. A., M. D., PORTLAND
Professor of Biochemistry.

WILLIAM L. HAYWARD, EUGENE
Associate Director Men's Gymnasium.

*Leave of absence for war work.

EDWARD WILLIAM HOPE, Ph. D., EUGENE
Dean School of Law and Professor of Law.
B. A. University of Pennsylvania, 1898.
Graduate Student Universities of Berlin and Munich, 1901-02.
M. A. Stanford University, 1903.
Ph. D. Johns Hopkins University, 1905.

ALLAN C. HOPKINS, B. S., EUGENE
Assistant Professor of Commerce.
B. S. University of Pennsylvania, 1914.

WILLIAM HOUSE, M. D., PORTLAND
Assistant Professor of Nervous and Mental Diseases.

HERBERT CROMBIE HOWE, B. A., EUGENE
Professor of English Literature.
B. A. Cornell University, 1893.
Graduate Scholar Cornell University, 1893-95.

SIMEON EDWARD JOSEPHI, M. D., PORTLAND
Professor of Nervous and Mental Diseases.

J. C. ELLIOTT KING, M. D., PORTLAND
Assistant Professor of Dermatology and Syphilology.

WILLIAM S. KNOX, B. S., M. D., PORTLAND
Assistant Professor of Clinical Medicine.

EDMUND JOHN LABBE, M. D., PORTLAND
Professor of Obstetrics.

JOHN J. LANDSBURY, Mus. Dr., EUGENE
Dean of School of Music and Professor of Music.
Mus. B. Simpson College, 1900; Mus. Dr., 1909.

THOMAS A. LARREMORE, B. A., LL. B.,
Professor of Law
B. A. Yale University, 1911,
LL. B., Columbia University, 1916

ELLIS FULLER LAWRENCE, M. S., EUGENE
Dean of School of Architecture and
Professor of Architecture.
B. S., M. S., Massachusetts Institute of Technology.

LIEUTENANT COLONEL JOHN LEADER, EUGENE
Professor of Military Science
Passed Staff College Examination, England.

ALBERT EDWARD MACKAY, M. D., PORTLAND
Professor of Diseases of Genito-Urinary Organs.

KENNETH ALEXANDER J. MACKENZIE, M. D., C. M., PORTLAND
L. R. C. P. and L. R. C. S., Edinburg,
Dean of the School of Medicine and Professor of
Operative and Clinical Surgery

RALPH CHARLES MATSON, M. D., PORTLAND
Assistant Professor of Medicine.

RAY W. MATSON, M. D., PORTLAND
Assistant Professor of Medicine.

EDWARD HIRAM MCALISTER, M. A., EUGENE
Professor of Mechanics and Astronomy.
B. A. University of Oregon, 1890; M. A., 1893.

CLARENCE J. MCCUSKER, B. S., M. D., PORTLAND
Assistant Professor of Obstetrics.

FRANK R. MENNE, B. S., M. D., PORTLAND
Associate Professor of Pathology.

WILLIAM EDMUND MILNE, Ph. D., EUGENE
Professor of Mathematics.
B. A. Whitman College, 1912.
M. A. Harvard University, 1913; Ph. D., 1915.

D. WALTER MORTON, M. A., C. P. A., EUGENE
Dean of the School of Commerce and
Director Extension School of Commerce
B. A. Dickson College, 1902; M. A., 1906.
B. D. Drew Theological Seminary, 1905.
C. P. A. Wisconsin State Board, 1915.

HAROLD B. MYERS, A. B., M. D., PORTLAND
Professor of Materia Medica, Pharmacology and Toxicology.
Assistant Dean of the School of Medicine.

RICHARD NUNN, B. A., B. Ch., M. D., PORTLAND
Professor of Diseases of Eye, Ear, Nose and Throat.

EARL L. PACKARD, Ph. D., EUGENE
Professor of Geology.
B. A. University of Washington, 1911; M. A., 1912.
Ph. D. University of California, 1915.

MABLE HOLMES PARSONS, M. A., EUGENE
Professor of Rhetoric.
B. A., M. A., University of Michigan.

MARY HALLOWELL PERKINS, M. A., EUGENE
Professor of Rhetoric.
B. A. Bates College.
M. A. Radcliffe College.

ROBERT W. PRESCOTT, B. A., EUGENE
Professor of Public Speaking.
B. A. University of Oregon, 1908.

GEORGE REBEC, Ph., D., EUGENE
Professor of Philosophy.
Director of Portland Extension Center
B. Ph. University of Michigan; Ph. D., 1897.

ARCHIBALD F. REDDIE, B. A., EUGENE
Professor of Public Speaking.
Graduate Emerson College of Oratory.
B. A. Valparaiso University (Honorary).

HELEN RHODES EUGENE
Assistant Professor of Drawing.
Cowles Art School, Boston.
National Academy of Design, New York City.
Teachers' College, Columbia University.

EDWIN CLYDE ROBBINS, Ph. D., EUGENE
Professor of Economics and Sociology.
B. A. State University of Iowa, 1910; M. A., 1912.
Ph. D. Columbia University, 1915.

JOSEPH SCHAFER, Ph. D., EUGENE
Professor of History and Dean of Summer School.
B. L. University of Wisconsin, 1894; M. L., 1899;
Fellow, 1900; Ph. D., 1906.

FRIEDRICH GEORGE G. SCHMIDT, Ph. D., EUGENE
Professor of the German Language and Literature.
Student at the University of Erlangen, 1888-90.
Scholar and Fellow at Johns Hopkins University, 1894-96. Ph. D., 1896.

ALFRED HERMAN SCHROFF, EUGENE
Professor of Fine Arts.

CHARLES E. SEARS, B. S., M. D., PORTLAND
Assistant Professor of Medicine.

H. J. SEARS, Ph. D., PORTLAND
Professor of Bacteriology

LAURENCE SELLING, A. B., M. D., PORTLAND
Assistant Professor of Clinical Medicine.

HENRY DAVIDSON SHELDON, Ph. D., EUGENE
Professor of Education and Dean of School of Education.
B. A. Stanford University, 1896; M. A., 1897.
Ph. D. Clark University, 1900.

FREDERICK LAFAYETTE SHINN, Ph. D., EUGENE
Professor of Chemistry.
B. A. Indiana University, 1901; M. A., 1902.
Scholar Yale University, 1902.
Ph. D. University of Wisconsin, 1906.

WARREN D. SMITH, Ph. D., EUGENE
Professor of Geology.
B. S. University of Wisconsin, 1902.
M. A. Leland Stanford, Jr., University, 1904.
Fellow in Geology, University of Chicago, 1904-05.
Ph. D. University of Wisconsin, 1908.

*ORIN FLETCHER STAFFORD, M. A., EUGENE
Professor of Chemistry.
B. A., M. A. University of Kansas.

*Leave of Absence, 1918-19.

FRED L. STETSON, M. A., EUGENE
Professor of Education.
Whitewater Normal, Wisconsin, Graduate, 1904.
B. A. University of Washington, 1911; M. A., 1913.

JOHN STRAUB, M. A., Lit. D., EUGENE
Dean of the College of Literature, Science and the Arts, and Professor of Greek Language and Literature.
B. A. Mercersburg College, 1876; M. A., 1879.
Lit. D. Franklin and Marshall College, 1913.

ALBERT RADDIN SWEETSER, M. A., EUGENE
Professor of Botany.
B. A. Wesleyan University, 1884; M. A., 1887.

W. F. G. THACHER, M. A., EUGENE
Professor of Rhetoric and University Editor
B. A. Princeton University, 1900; M. A., 1906.
Graduate Student University of Chicago, 1906.

HARRIETT THOMSON, B. A., EUGENE
Assistant Physical Director for Women.
B. A. University of Michigan.

EDWARD THORSTENBERG, Ph. D., EUGENE
Professor of Scandinavian Languages and Literatures.
B. A. Bethany College, 1899.
Scholar Yale University, 1900-03; M. A., 1902; Ph. D., 1904.

LILIAN TINGLE, EUGENE
Professor of Household Arts.
Graduate of Educational Trust School of Domestic Economy, Aberdeen, Scotland.
Student at Robert Gordon's College, Aberdeen, Scotland.
Student at Aberdeen University, 1898-1899.
Student at University of Wisconsin Summer School, 1900.
Teaching Certificate for Chemistry and Physiology from British government.

ERNEST FANNING TUCKER, B. A., M. D., PORTLAND
Professor of Gynecology.

GEORGE S. TURNBULL, B. A., EUGENE
Professor of Journalism
B. A. University of Washington, 1915.

DEAN H. WALKER, B. A., EUGENE
Assistant Professor of Physical Education for Men.
B. A. University of Oregon, 1913.

SAM B. WARNER, LL. B., EUGENE
Professor of Law.
B. A. Harvard University, 1912; LL. B., 1915.

*MARY WATSON, M. A., EUGENE
Assistant Professor of English Literature.
B. A. University of Oregon, 1909; M. A., 1911.

RAYMOND HOLDER WHEELER, Ph. D., EUGENE
Professor of Psychology.
B. A. Clark College, 1912.
Scholar and Fellow in Experimental Psychology,
Clark University, 1912-15; M. A., 1913; Ph. D., 1915.

CALVIN S. WHITE, M. D., PORTLAND
Assistant Professor of Medicine (Hygiene and Sanitation).

GEORGE SHATTUCK WHITESIDE, M. D., PORTLAND
Assistant Professor of Genito-Urinary Surgery.

OTIS BUCKMINSTER WIGHT, B. A., M. D., PORTLAND
Assistant Professor of Gynecology.

GEORGE FLANDERS WILSON, M. D., PORTLAND
Professor of Principles and Practice of Surgery.

ROBERT CLARK YENNEY, M. D., PORTLAND
Professor of Clinical Medicine.

---

*Leave of absence, 1918-19.

FREDERICK GEORGE YOUNG, B. A., EUGENE
Dean of Graduate School and
Professor of Economics and Sociology.
B. A. Johns Hopkins University, 1886.
University Scholar Johns Hopkins University, 1886-87.

JAMES CULLEN ZAN, M. D., PORTLAND
Associate Professor of Clinical Surgery.

INSTRUCTORS AND ASSISTANT INSTRUCTORS

ROY C. ANDREWS, B. A., EUGENE
Instructor in Botany.
B. A. University of Oregon, 1915.

CHARLOTTE BANFIELD, EUGENE
Instructor in Public Speaking.

CECELIA SMITH BELL, B. A., EUGENE
Instructor in English Literature.
B. A. University of Oregon, 1911.

NORMA B. DOBIE, B. A., EUGENE
Instructor in English Literature.
B. A. University of Oregon, 1914.

MABEL DORSEY, EUGENE
Instructor in Public Speaking.

ANDREW FISH, B. D., EUGENE
Instructor in History.

CELESTE FOULKES, B. A., EUGENE
Instructor in Botany.
B. A. University of Oregon, 1918.

MARGARET B. GODALL, B. A., EUGENE
Instructor in Education.
B. A. University of Oregon, 1904.

LOIS GRAY, B. A., EUGENE
Instructor in Romance Languages.
B. A. University of Oregon, 1916.

CELIA V. HAGER, B. A., EUGENE
Instructor in Psychology.
B. A. University of Oregon, 1912; M. A., 1918.

ADA HALL, B. A., EUGENE
Assistant in Zoology.
B. A. University of Oregon, 1917.

ROBERT C. HALL, EUGENE
Instructor in Journalism.

CALLIE BECK HEIDER, B. A., EUGENE
Instructor in Education.
B. A. University of Oregon, 1915.

ELIZABETH HOGG, EUGENE
Instructor in Commerce.

CHAS. A. HUNTINGTON, EUGENE
Instructor in Physical Education for Men.

CAMILLA LEACH, EUGENE
Assistant Instructor in Drawing.

MARGARET MORRIS, R. N., EUGENE
Instructor in Physical Education for Women and
Superintendent of University Infirmary.

ANNIE LAURIE ROGERS, B. A., EUGENE
Instructor in Commerce.
B. A. Oxford College, 1911.

ETHEL I. SANBORN, M. A., EUGENE
Curator of Herbarium.
B. S. State College, South Dakota, 1903.
B. A. University of South Dakota, 1904; M. A., 1907.
Stanford University, 1917-18.

ANTOINETTE SHUMWAY, B. S., EUGENE
Instructor in Household Arts.
B. S. University of Washington, 1918.

IDA VIOLA TURNEY, M. A., EUGENE
Instructor in Rhetoric.
B. A. University of Oregon, 1912; M. A., 1913.

CATHARINE WINSLOW, Ph. B., EUGENE
Instructor in Women's Gymnasium.
Ph. B. University of Chicago.
Graduate Chicago Normal School of Physical Education.

ANNNA BENTON ZIMMERMAN, B. A., EUGENE
Instructor in Spanish.
B. A. Leland Stanford, Jr., University, 1916.

FACULTY OF THE SCHOOL OF MUSIC

P. L. CAMPBELL, B. A., LL. D., President of the University of Oregon.

JOHN J. LANDSBURY, Mus. D., Dean School of Music and Professor of Pianoforte and Composition.

ARTHUR FAGUY-COTE, Professor of Singing.

ELEANOR LEE, A. B., Assistant Professor of Singing.

JOHN STARK EVANS, A. B., Professor of Organ and Assistant Professor of Pianoforte and Composition.

ROBERT LOUIS BARRON, Professor of Stringed Instruments and Director of the Orchestra.

ANNA L. BECK, A. B., Professor of Public School Music.

JANE SCOTFORD THACHER, Professor of Pianoforte.

*Daise Beckett Middleton, Assistant Professor of Singing.

Frank V. Badolett, Professor of Flute.

Albert Perfect, Professor of Wind Instruments.

†Howard T. Annett, Assistant Professor of Pianoforte.

Ina May Watkins, Instructor in Pianoforte.

George Hopkins, Instructor in Pianoforte.

Ruth Davis, Mus. Bac., Secretary of the School of Music and Instructor in Pianoforte.

Portland Division

Frances Striegel Burke, Chairman Portland Division and Professor of Pianoforte.

Abbie Whiteside, Professor of Pianoforte.

John Claire Monteith, Professor of Singing.

Pauline Miller Chapman, Professor of Singing.

Franck Eichenlaub, Professor of Violin.

Susie Fennel Pipes, Professor of Violin.

William Boone, Professor of Organ, Pianoforte and Composition.

Carl Denton, Professor of Organ, Pianoforte and Violin.

William H. Boyer, Professor of Public School Music.

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*Absent.

†Absent in the service of his country.

LIBRARY STAFF

M. H. Douglass, M. A.,	Librarian.
Beatrice J. Barker, Ph. B.,	Head Cataloguer
Corabel Bien,	Reference Librarian
Mabel Eaton McClain, B. A., B. S.,	Circulation Librarian
Martha Spafford, B. A.,	Cataloguer
Olga E. Olsen, B. A.,	Order Clerk
Camilla Leach,	Art Librarian
Ellen M. Pennell	Assistant
Dora Francis	Assistant

COMMITTEES OF THE FACULTY

Advisory Council—(Elective) Deans Straub, Morton and Allen, and Professors Gilbert, Bovard and E. H. McAlister.

Advisers for Lower Division—Professor Boynton and representatives from each department.

Absences—Deans Straub and Ehrman.

Administration of Honors—Professors Howe, Cloran and Sheldon.

Advanced Standing—Professors Stafford, McAlister, Adams and the Registrar.

Appointments—Professors Sheldon, Bates, Dunn, DeCou, Schafer, Schmidt, Boynton and Morton.

Athletics—Professors Howe, Hayward and Morton.

Catalog—Professors Boynton and Thacher and the Registrar.

Class Advisers—Deans Straub and Ehrmann and Professors Sweetser, Perkins, Hayward and Walker, and Mrs. Thacher and Miss Gorman.

COLLOQUIUM—Professors Sheldon, Edmondson and Mr. Onthank.

COMMENCEMENT AND ASSEMBLY—The President and Professors Straub, Gilbert, Allen, Landsbury, Burgess and Warner.

EDUCATIONAL PUBLICATIONS—Professors Smith, Turnbull, DeBusk, Schroff, Packard, Almack, Thacher, Edmondson, Tingle and Crockatt.

GRADUATE COUNCIL—Professors Young, Schmidt, Howe, Sheldon, Boynton, Smith and Conklin.

LIBRARY—(Regents) Hon. R. S. Bean and the Librarian.

REVISION OF STUDENT COURSES—Professors Gilbert, Thorstenberg and Prescott.

SCHEDULE—Professors Boynton, Allen and the Registrar.

SPECIAL STUDENTS—Professors DeCou, R. C. Clark, Shinn and H. A. Clark.

STUDENT ADVISORY—The President and Professors Straub, Morton and Ehrmann.

STUDENT AFFAIRS—Professors Straub, Ehrmann, Perkins, Thacher, and Walker.

STUDENTS' FREE INTELLECTUAL ACTIVITIES—Professor Smith, Bates, Howe, Stafford, Allen, Parsons, Prescott and Schroff.

STUDENT HEALTH—Professors Bovard, Cummings, Sweetser, Conklin and Walker.

STUDENT RELIGIOUS AND MORAL ACTIVITIES—Professors Caswell, Cummings, DeCou, DeBusk and Sweetser.

UNIVERSITY PUBLICATIONS—Professors Allen, Thacher, Young, Sweetser and Sheldon.

VESPERS—Professors Landsbury, Morton, DeCou, Douglass and Mr. Onthank.

THE UNIVERSITY OF OREGON

INTRODUCTION

HISTORICAL SKETCH

The University of Oregon was established by act of the State Legislature October 19, 1872, and located at Eugene. Deady Hall, the first University building, was erected by the citizens of Lane County, and presented to the Board of Regents in July, 1876. In September of the same year, the University opened its doors for the reception of students. The first class was graduated in June, 1878.

The preamble of the act of October 21, 1876, entitled, "An act to provide for the support and government of the University of Ore gon," is as follows:

"WHEREAS, by an Act of the Legislative Assembly, approved October 19, 1872, it was provided that, in order to devote to the purposes of education the seventy-two sections of land donated to the State for the use and support of a State University by the Act of Congress of February 14, 1859, a State University, having for its design to provide instruction and complete education in all the departments of science, literature, professional pursuits and general education, be created and permanently located at Eugene; provided, that the Union University Association of Eugene should, on or before January 1, 1874, secure a site for the same at or in the vicinity of Eugene, and erect thereon and furnish a building of not less value than fifty thousand dollars, for the use of the said University, on a plan to be approved, and after the erection of the same, to be adopted, by the board of commissioners for the sale and management of the school and University lands, and for the investment of the funds arising therefrom; and

"WHEREAS, said University Association of Eugene, having duly provided a site for said University, and erected thereon, on a plan first approved by said board of commissioners, a building for the use thereof, as provided in said Act of October 19, 1872, which site and building was by said board of commissioners, in July, 1876, duly accepted, and has since been duly conveyed by said University Association to the board of directors of said University; and

"WHEREAS, the directors of the University aforesaid did, in pursuance of an Act of October 19, 1872, on August 9, 1876, elect and appoint a president and two professors of said University and also a principal and assistant teacher of the preparatory department therein,

and did also 'fix the salaries of said president, professors and teachers and prescribe the tenure of their offices, the beginning and end of the school year of said University, the studies to be pursued thereat, the admission fees and rates of tuition, together with the qualifications for admission, therein'; therefore, be it enacted by the Legislative Assembly of the State of Oregon:

"That the interest which may hereafter accrue on the fund arising from the sale of the University lands aforesaid, is hereby set apart and perpetually appropriated to the maintenance, use and support of the 'University of Oregon.' "

The equipment of the University was at first very small, and the courses of instructions were limited practically to literary lines. The University grew rapidly, and the demand for a broader curriculum was met by the addition of engineering, scientific and technical courses. The Law School was established in 1884, and the Medical School in 1887. More recently the schools of Education, Architecture, Commerce and Journalism have been added. With the growth and development of the State, the University has increased in numbers and financial resources. Buildings have been erected, new departments added, and a large equipment installed.

During the early years of the institution, the only high schools in the State were located in two or three of the larger cities, and it was necessary for the University to offer preparatory courses in order that students graduating from the schools in smaller towns might continue their work by coming directly to the University. As the high school system of the state developed, it became possible to discontinue the first year of the academy course; a little later the second year was dropped; and finally in 1904, the academy was entirely abolished.

A similar growth may be seen in the evolution of the present course of study. When the University first opened its doors in 1876, the work of the different courses was practically all required. After a few years, options were allowed in the choice of language groups and substitutions were permitted for some of the technical requirements. Later a great number of possible combinations of required courses were offered, with a few elective hours. Then came the group system with the work for the first two years required, and the greater portion of the last two years elective except for a major elective requirement.

In the year 1904-05 the University adopted practically a free elective system of undergraduate study, attempting by the requirement of a major subject, to which not over a third of the required hours were to be given, to give a definite direction to the work of each student, and encourage the high and intense scholarship for which a University should stand.

Finally, the University has put itself in line with the most advanced educational practice by organizing its undergraduate work into the Lower and Upper Divisions. In the Lower Division, which comprises the work of the freshman and sophomore years, the aim is to have the student undertake such work as shall tend toward a broad general culture, together with a solid foundation for his more advanced work. This is attempted by a group system described in later pages of this catalog. In the Upper Division, comprising the work of junior and senior years, the student is required either to select a major subject, or to enroll in one of the Professional Schools of the University, for either of which he must have made the necessary preparation in the Lower Division. In the Professional Schools the course will be largely or wholly prescribed, while the major department may demand not more than half of the student's time for work in his special line, thus placing even more emphasis upon intense scholarship during the years when such specialization may be most profitably attempted.

A noteworthy enlargement of the functions of the University is the Correspondence and Extension departments, which bring the resources of the University within the reach of those who are unable to attend the regular organized classes on the campus, and further provide lectures for such communities as desire to avail themselves of the opportunity.

THE UNIVERSITY AND THE STATE

The aim of the University of Oregon in its relation to the educational system of the State is two-fold: First, to supplement the work of the high schools with a four years' university course; Second, to encourage graduate study. As an organic part of the State's public school system, the University sustains a relation to the high schools

similar to that sustained by the high schools to the grammar grades. As those who have passed through the grammar grades may continue their studies in the high schools, so those who have completed the full high school course may advance to the opportunities offered by the University. In a word, the University (exclusive of the Graduate School) embraces the thirteenth, fourteenth, fifteenth and sixteenth grades of the public school system. It completes the work begun in the grammar schools and continued in the high schools.

While the University furnishes instruction in the various branches requisite for a liberal education, and in the technical branches of architecture, commerce, education, journalism, law, medicine and music, it also aims to encourage research work in its departments, and to offer to those who have completed college courses at the University or elsewhere an opportunity to do graduate work along general or special lines.

In addition to its work as a part of the public school system, the University attempts to aid in the State's development by gathering exact and detailed information concerning its industrial resources, and by investigating, through its several departments, such civic and industrial problems as are of special interest to the people of the State.

Thoroughly in sympathy with the modern tendency toward the socialization of public opinion, it is the policy of the University to extend its activities to the service of the State in every way in which they may be of value.

GOVERNMENT

The government of the institution rests upon the inherent obligations of students to the University and to the state. The University is maintained at the public expense for the public good. Those who participate in its benefits are expected, as a matter of honor, not only to fulfill the obligations of loyal members of the institution, of the community, and of the commonwealth, but actively to aid in promoting intellectual and moral interests. Every student owes to the public a full equivalent for the expenditure in his behalf, in the form of superior usefulness to it, both while in the institution and

afterwards. Students, therefore, cannot claim any exemption from the duties of good citizens and loyal members of the community and of the University; on the contrary, they are under peculiar obligations loyally to fulfill every duty. As members of the institution, they are held responsible for regular attendance and the proper performance of their duties. As members of the community, students are amenable to the law; and, if guilty of its infraction, are liable to a termination of their relations with the University. The University recognizes its civic relations and rests its administration upon civic obligations.

LOCATION AND ENVIRONMENT

The University of Oregon is located at Eugene, in Lane County, at the head of the Willamette Valley. Eugene is 123 miles south of Portland, with which it is conveniently connected by the Southern Pacific, Oregon Electric, and the Portland, Eugene and Eastern railroads. Eugene is a prosperous community of 12,000 inhabitants. Its well-paved streets and street railway system, its many fine public buildings, and its attractive residence districts combine to produce an effect of municipal well-being. Eugene's effective public school system is given higher excellence by the completion of a new high school building, representing the most approved type of structure of its class. The municipal water supply—always a vital consideration—is exceptionally good. The water is subjected to twenty tests each week in the laboratories of the University—a final safeguard against dangerous bacterial contamination. The cultural and moral tone of Eugene is high, and the community is unusually free from corrupting influences.

The setting of Eugene is wonderfully picturesque, and presents the widest scenic diversity. The highly developed farms near by give way to wooded hills, and these, in turn, to the majestic crests of the Cascade and Coast ranges of mountains. The mountain streams of this region—especially the McKenzie—are justly famous for their trout fishing. No less excellent is the hunting. Pheasant, quail, duck, deer and other game are abundant. These attractions, with the compelling beauty and rugged grandeur of the natural

scenery, bring annually to Eugene and nearby resorts great numbers of sportsmen, tourists and vacation seeking folk. The climate is delightfully equable, without extremes of either heat or cold and without sudden changes, tornadoes, or destructive storms of any nature.

BUILDINGS AND GROUNDS

The University grounds are situated about one mile southeast of the center of the city. Electric cars pass the campus every few minutes, giving easy communication with the business section and other parts of the city. The campus contains 80 acres of land, about evenly divided into two sections by East Thirteenth street. On the north campus are located the older University buildings; on the south campus the new administration building, the girls' dormitories, the president's dwelling, and the athletic field. The buildings are situated on a natural rise of ground overlooking the city. Native and exotic trees and shrubs are interspersed here and there with rose hedges and flower gardens. The whole is a beautifully kept lawn, with attractive walks and drives, and is one of the beauty spots of the State. The Willamette River flows along its northern border and the snow-covered Three Sisters and peaks of the Coast Range are in full view.

The following buildings are located in the University grounds:

Deady Hall, a four-story building, was presented to the State by the citizens of Lane County, and was named in honor of Matthew P. Deady, the first president of the Board of Regents. It houses the departments of Botany, Zoology, Physics, Germanic and Romance Languages.

Villard Hall, erected in 1885, was named in honor of Henry Villard, the builder of the Northern Pacific Railroad, the greatest individual donor to the University's endowment. It is an imposing cemented brick building, and contains the departments of English and Latin, and the General Assembly Hall of the University.

McClure Hall was built in 1900, and houses the departments of Chemistry and Psychology, and the School of Journalism. It has

three floors, with laboratory facilities for 200 students at a time in Chemistry, 50 students in Psychology, and 50 in Journalism. The laboratories in Psychology occupy the north half of the second floor, while the psychological lecture room is located in the south half. The University printing plant is located in the basement.

Commerce Hall, erected in 1901, is devoted entirely to the work of the School of Commerce.

Architecture Hall, erected in 1914, is a duplicate of Commerce Hall in general appearance, and is devoted to the use of the School of Architecture. Both Commerce Hall and Architecture Hall are two-story brick buildings.

The Women's Gymnasium is a brick building fitted with suitable apparatus for the use of the women of the University. The first floor contains the main hall, a room 45x70 feet, in connection with which there is a covered open-air exercising floor, 46x85 feet, and the director's office. The basement is completely equipped with shower baths, steel lockers and dressing rooms.

Friendly Hall, the men's dormitory, erected in 1893, with additions completed in 1903 and 1914, is a three-story brick building, equipped with electric lights, steam heat, hot and cold water, well-furnished parlors and every convenience for the comfort of its occupants. For full information concerning rates and accommodations, see department of catalog, "Student Expenses."

Library Hall, built in 1907, is a two-story and basement building of pressed brick. On account of the rapid growth of the library, a new fireproof stack room of steel and concrete construction, was added in 1914. The library is located south of Deady Hall near Thirteenth street. The first floor contains the general reading room and a general reference room.

Mary Spiller Hall, erected in 1907, was named for Miss Mary Spiller, the first woman member of the faculty. It is a two-story and basement building, and is used for the department of Household Arts.

Music Hall was completed in February, 1909. It is a two-story building, located on University avenue, directly east of Architecture Hall.

The Men's Gymnasium. The gymnasium for men is large and well arranged. It is fitted completely with all modern conveniences, the best apparatus, an indoor running track, a swimming pool, shower baths, lockers, etc. Supplementing the gymnasium proper is the outdoor gymnasium, with a floor 120 by 87 feet, divided by movable partitions into three distinct gymnasium floors, each large enough for basket ball, hand ball, or indoor tennis. The facilities of the University for carrying out its policy of "athletics for everyone" have been greatly augmented by the construction of this gymnasium annex.

The athletic field has a four-lap track, surrounding a well constructed football field. The grandstand and the bleachers will seat 9,500 people. At the southeast corner of the campus a level tract of 35 acres has been purchased as a site for a new athletic field, and the work of improving it is under way.

Johnson Hall, erected in 1915, and named after the first president of the University, is a two-story and basement building of fireproof construction. The administration offices of the University occupy the entire second floor. The first floor contains the Condon Geological Collection and Guild Hall. Guild Hall, with a seating capacity of 200, is fully appointed for student plays and for the work of the department of public speaking. The Dean of the College of Liberal Arts and the Dean of Women also have offices on this floor. The department of Mathematics, Public Speaking and Geology occupy the basement.

Oregon Hall was completed in 1916. It is a three-story brick building, 80 feet by 120 feet in dimension, and contains all the departments of the School of Education, including the practice high school, the offices of the School of Extension Study, and the Law School.

Hendricks Hall, the women's dormitory erected in 1918, accommodates one hundred and nineteen girls. It is a three-story

fireproof brick building, of Colonial type. The rooms are arranged in suites, with a sleeping porch for each suite. It is intended primarily as a Freshman residence hall.

THE Y. M. C. A. "HUT" was built during the brief existence of the Students' Army Training Corps in 1918. It provides a convenient and commodious meeting place for the men, with a recreation room, auditorium and appropriate offices.

THE "BUNGALOW," situated just off the Campus, is the Home of the Y. W. C. A. It is well suited to the work of the efficient organization which it houses.

THE WOMAN'S BUILDING, for some years more than a project, will, in 1919-20, become a reality. The building, which will be placed adjacent to Hendricks Hall, will provide ample and modern facilities for the departments of Physical Education for Women and Household Arts, and will, as well, serve as the headquarters for all of the various activities of women on the campus. The total cost of the building will not be less than $200,000, one-half of which has been appropriated by the legislature, and the other half is now being raised by voluntary subscriptions throughout the state.

THE UNIVERSITY INFIRMARY is on University street, near the School of Music, and easily accessible for all students. The building has a normal capacity of twelve beds. On the lower floor there is a ward-room, while upstairs there are several small private rooms for special patients.

THE UNIVERSITY LIBRARY

Staff

M. H. Douglass, M. A.,	Librarian
Beatrice J. Barker, Ph. B.,	Head Cataloguer
Corabel Bien, B. A.,	Reference and Periodical Librarian
Mabel Eaton McClain, B. A., B. S.,	Circulation Librarian
Martha E. Spafford, B. A.,	Cataloguer
Camilla Leach	Art Librarian
Olga E. Olsen, B. A.,	Order Clerk
Dora Francis	Assistant
Mrs. Ellen M. Pennell ..	Assistant

The University Library is a well-selected and rapidly growing collection of books now numbering nearly 90,000 volumes, five-sixths of which have been added during the last ten years. The regular annual appropriation for books and periodicals and for binding is $10,000. In 1916 a special appropriation of $5,000 was made for books on law and architecture to help meet the needs of the comparatively new schools of law and architecture.

The Library is supplied with the best general and special reference books; with the files of the principal American and English periodicals of general interest, and with many of the most useful sets of periodicals of special and scientific interest, both American and foreign. Over 700 periodicals are currently received, besides many of the daily and weekly newspapers of the state. Bound files of about 90 Oregon newspapers are on hand.

The Library is a depository for the public documents published by the United States Government and also for Oregon State Documents.

The annual appropriation for books is sufficient to provide for the books most needed for use in connection with the courses given

and for general reference work. It also makes possible the acquisition each year of a few of the larger and more expensive sets needed.

The Library is open each week day from 7:45 A. M. to 10 P. M. On Sunday it is open from 2 to 6 P. M. Books, other than reference books and those especially reserved for use in the Library, may be drawn for a period of one month, and at the expiration of that time renewed if there is no other demand for them. All persons connected with the University have the privilege of drawing books, and the use of the Library for reference purposes is extended to the general public as well. Books that can be spared from the University are also loaned for a month at a time to other libraries, to superintendents and principals of Oregon schools, and to individual citizens of the state. During the year 1918- 651 packages, containing 1916 items, were sent by mail to out-of-town patrons.

The Library prepares, from time to time, for the special benefit of out-of-town patrons lists of books which it has on special subjects. Lists on the following subjects are now available for distribution:

Chemistry
Child Study
Church Federation
Dramatic Literature
European War
Folk Dancing
Forestry
Foreign Missions
The Gifted Child
Health Insurance
High School Libraries
Home Economics
Music
"Out-of-Door" Books
Pageants
Physical Geography
Religion
Subjects for Debate

Other lists will be prepared upon request.

THE UNIVERSITY MUSEUMS

The University museums are three in number, as follows:

THE CONDON GEOLOGICAL MUSEUM

The geological collection occupy quarters in Johnson Hall and constitute the Condon Geological Museum. For a more complete statement about the Museum and description of the collections, see Bulletin No. 3, Vol. 1 (New Series), University of Oregon Publications. Copies may be obtained from the Registrar.

(1) The "Condon Cabinet" consists of many thousand specimens, and represents the life work of the late Dr. Thomas Condon. The Cabinet is especially rich in vertebrate fossils from the John Day Valley, and contains in addition many invertebrates and paleo-botanical specimens. This Cabinet is perhaps the finest collection of paleontological specimens in the Pacific Northwest.

(2) A display collection of minerals. This is a growing collection of especially fine minerals.

(3) A type collection of minerals. A collection of about 1,500 mineral specimens representative of the ordinary occurrence of the different minerals.

(4) A collection of Oregon economic minerals.

(5) A type collection of rocks, etc. This contains, besides the United States Geological Survey Educational Series of rocks, a collection from type localities in the Lake Superior iron-bearing and copper-bearing districts illustrating some of the oldest formations on the continent; also a collection of typical specimens from the Philippine Islands. Besides these are many isolated specimens from various and remote parts of the world.

(6) The H. M. Lawrie Loan collection of Krantz rocks and Wilke minerals, containing over 500 European rock types and about the same number of superb minerals from all parts of the world.

(7) An ethnological collection of tools and implements used by early man.

(8) A representative conchological collection.

In the collection is also a cast of the Willamette meteorite, the gift of Mr. D. A. Patullo, of Portland. The original meteorite was found 2½ miles west of Oregon City. Its dimensions are: extreme length, 10 feet 3½ inches; breadth, 7 feet; height, 4 feet; estimated

weight, 12 to 15 tons. It is now in the American Museum of Natural History, New York City. The museum, through Dr. E. O. Hovey, is said to have paid $20,000 for this meteorite.

BOTANICAL MUSEUM

The botanical museum consists of the following: (1) The Howell collection, consisting of 10,000 specimens, collected for the most part in Oregon, many of which are type specimens; (2) the Leiberg collection, presented to the University by Mr. John B. Leiberg in 1908, consisting of 15,000 sheets of specimens, collected principally from Oregon, Washington and Idaho, but including also some from other states. The specimens are for the most part duplicates of others deposited in the National Herbarium at Washington by Mr. Leiberg for the Government while he was in its employ, and are extremely valuable; (3) the Cusick collection, consisting of 7,000 specimens of Oregon and other flora; (4) the Edmund P. Sheldon collection, and that of Kirk Whitead, both recently acquired by donation. These collections are being constantly added to by gifts and exchange. All specimens not already classified are being classified and arranged in cases as rapidly as possible.

ZOOLOGICAL MUSEUM

The Zoological Museum is located on the third floor of Deady Hall. It contains a series of mounted and unmounted birds and mammals, to illustrate different groups; a collection of Oregon reptiles, made by Mr. J. R. Wetherbee; a series of fish, mostly salmonidae from the Columbia River, donated by the United States Government; a collection of food fishes of the Oregon Coast, made by Mr. J. B. Bretherton, of Newport, Oregon, and presented to the University. It has also just received a collection of birds and mammals, made and presented by Dr. A. G. Prill, of Scio, Oregon.

It is further supplied with a series of invertebrate animals, models of types from France and Germany. To this may be added casts of brains and head formation of various races, and a series of wax models made from drawing by His in Zeigler's laboratory at Freiburg, illustrating different stages in the development of the human embryo and that of the chick; also a similar series showing the development of amphioxus, different forms of segmentation, etc.

THE UNIVERSITY LABORATORIES

GEOLOGY

MINERALOGY. The laboratory is equipped for work in descriptive and determinative mineralogy and crystallography, and contains the following mineral collections:

(1) A display set of minerals.

(2) The Wilke collection of world minerals, loaned by H. M. Lawrie, of Portland, Oregon.

(3) A labeled set of working material.

(4) An unlabeled working set, together with a quantity of unlabeled working material.

(5) A set of Penfield's Wooden Crystal Models.

PETROLOGY. A working collection of hand specimens of rock is examined and identified by each student. The department also maintains apparatus for grinding thin sections of rocks, and is equipped with petrographical microscopes and thin sections and the Krantz collection of rocks.

PHYSIOGRAPHY. Equipment for making relief maps has been added, as well as numerous charts and models for the illustration of physical features.

PALEONTOLOGY. The laboratory is especially well equipped for studying the paleontology of Oregon, and is rapidly adding a comprehensive working collection of the fossils of all geological ages, as well as collections representing the faunas of neighboring states.

ECONOMIC GEOLOGY. The department is well equipped with minerals and ores for introductory work in this subject. A complete equipment for field geology has been added, including transits, plane tables, hypsometers, compasses, levels, etc., for instruction in every phase of topographical and geological mapping.

CHEMISTRY

The chemical laboratories are located in McClure Hall. The first floor and portions of the basement and second floor are devoted to

chemistry. The chemical laboratories will accommodate somewhat over 200 students.

The equipment of this department is modern and the attempt is made to keep the store room well supplied with apparatus and chemicals to meet all requirements of the usual courses as well as to provide facilities for original investigation. A few reference books and periodicals are kept in the departmental office, and students are encouraged to make free use of these facilities. The bulk of the chemical periodicals and treatises, however, are to be found in the University library.

PSYCHOLOGY

The psychological laboratory in McClure hall, is fortunate in the possession of a suite of small rooms so that delicate laboratory work and mental testing can be done with proper isolation. All of these rooms, nine in number, are connected by an intercommunicating system of wires and speaking tubes, and all are supplied with gas, compressed air and power circuits. The equipment of apparatus is ample for undergraduate purposes and for a certain amount of research.

Original investigations are always in progress in this laboratory. Recently most unique work has been done on the learning processes of the blind, which is now being checked by similar work on sighted youths. The development of several tests for the determination of individual mental differences among college students is also in progress and work is constantly done on the more obscure motivations of conduct.

In these researches all students are frequently privileged to participate. Advanced and graduate students are permitted to work independently upon phases of the problems studied, and for their needs the best of facilities are available.

PHYSICS

The rooms occupied by the Department of Physics are located on the first and second floors of Deady Hall. The lecture room and laboratories for elementary and general work on the second floor are provided with the standard equipment necessary for effective teaching. A rather unique feature is a large dark room equipped

especially for instruction in photography. On the first floor are rooms devoted to advanced work, particularly in electricity, and to research. The equipment for electrical work is unusually complete. The department has been able to provide some equipment especially for advanced work and research. Among these may be mentioned a Michelson interferometer, a Kraus mercury jet pump for high vacua, and an equipment for research in the thermo-electric properties of pure metals and alloys.

In recent years experimental researches have been carried out by members of the staff and students of the department on the following topics: The Resistances of Electric Sparks, Cadmium Standard Cells (unpublished), and a series of papers on the Thermo-electric properties of Bismuth and Bismuth-Tin Alloys. In addition there have already been published by members of the department, or are ready for publication, standard texts and theoretical research articles on topics in Thermodynamics, and Kinetic Theory of Gases, and the Correlation of the Electrical and Thermal Properties of Metals.

BOTANY

The Botanical department occupies the fourth floor of Deady Hall. The laboratory for the general botany classes has the regular equipment of work tables, lockers, and compound microscopes, as well as provision for the displaying of stereopticon illustrations and charts. This, as are all the other rooms, is furnished with gas and lighted with electricity. The department possesses a fine series of botanical models of flower types and insectivorous plants. The supply of preserved material is constantly being added to and is fairly representative of the various plant groups. Each student is expected to provide himself with dissecting set and drawing material, but the laboratory is prepared to furnish the necessary microscopical slides, reagents and glassware.

The collections of Mr. Howell, Mr. Leiberg, Mr. Cusick, Mr. Kirk Whitead and Mr. Sheldon are available for students of systematic botany. Facilities are provided for the study and preservation of local material and for cataloging of plants sent from various parts of the State, and the department will be glad to name any specimen that may be sent to the herbarium for determination. The Bacteriological laboratory is well equipped for work, with its gas-fitted

and electrically wired work tables and lockers combined, its autoclave, steam and hot-air sterilizers, incubators, hot water heater and compound microscopes with oil-immersion lenses.

ZOOLOGY

The laboratories of the department occupy the third floor of Deady Hall. The department has a fair equipment of all the ordinary apparatus for work in the several courses offered. The policy is to keep on hand all materials, glassware and chemicals necessary for regular class work and to furnish such special materials as needed for advanced courses and research as the occasion may demand. The laboratory has furnished the opportunities for several pieces of research, some of which have been published by the students or members of the department, and others in preparation for publication.

HOUSEHOLD ARTS

The Household Arts laboratories are located in temporary quarters in the lower part of Mary Spiller Hall. With the opening of the new Woman's Building much needed additional accommodation is expected. At present, on the first floor, is a food and dietetics laboratory and demonstration room, for sixteen students, with a communicating kitchen, laboratory for twelve students. The equipment includes the usual individual outfit for food preparation in family quantities, with gas stoves, sinks, balances, supply cupboards, tables, etc. The rooms are light and airy and attractively finished with white woodwork and pale buff walls.

A "family size" dining room is arranged for practice meals; a class room is also available for the service of larger groups, on occasion. A dressing room with lockers is provided on this floor.

In the basement are located (a) the sewing room, equipped for eighteen students, with sewing machines, cutting and sewing tables, lockers, wardrobes, etc.; and (b) the laboratory for the use of classes in housewifery, with laundry tubs, sinks, stoves, electric irons, and appliances for the cleaning and renovation of garments and household equipment.

A "practice house" has been authorized, and should be ready by the opening of the Fall term for occupation by household arts students under a resident teacher.

ADMISSION TO THE UNIVERSITY

ADMISSION TO THE FRESHMAN CLASS

Students are admitted to the freshman class on the completion of a four-year high school course or its equivalent, requiring not less than fifteen units of work as outlined below. The term "unit" means the equivalent of five recitations per week of not less than forty minutes each, in one branch of study, for a school year of not less than thirty-six weeks.

No student will be admitted to the University who does not have full freshman standing. (Exception may be made in case of bona fide special students.)

But students may be admitted at the beginning of the winter term (January 5) on the principal's certificate that at least thirteen units had been completed before the beginning of the year, and that the student would be entitled to graduate at the mid-year with not less than fifteen units.

REQUIRED SUBJECTS

Each student entering the University is required to present certain specified subjects. The subjects with the required number of units in each are as follows:

English	3 units
Elementary Algebra	1 unit
Plane Geometry	1 unit
History	1 unit
Science, with laboratory work	1 unit
*One foreign language	2 units
Required of all students	9 units

*Students unable to present two units of foreign language for admission will be permitted to substitute an equal number of elective units subject to the following conditions: Students entering with no foreign language will be required to take in the University ten semester or fifteen term hours of foreign language, in addition to the amount otherwise required; those offering only one year, six semester or nine term hours additional.

Students looking forward to major work in mathematics, physics or architecture should present the following additional subjects:

Solid Geometry ..... ½ unit
Intermediate Algebra ..... ½ unit

Students planning to take the course in commerce should present the following additional subject:

Intermediate Algebra ..... ½ unit

ELECTIVE SUBJECTS

The remainder of the fifteen units not listed above may be selected from the subjects for which standard high schools give credit toward graduation, and may include additional work in the required subjects. The university reserves the right to set the maximum number of units which it will accept in any one subject.

Not more than four units may be offered in vocational subjects. No credit will be allowed for physical training and not more than one unit for music.

All students are urged to present four units of English.

EXCESS MATRICULATION CREDIT

Students who bring from accredited schools credits in excess of the requirements for matriculation must pass an examination at the University in the subjects covered by such credits before these may be counted as canceling any part of the 186 term hours required for graduation, but in no case shall the amount of college credit so allowed exceed 60 per cent of the number of hours such subject or subjects covered in the preparatory school. The preparatory subjects in which advanced credits may be so earned are as follows: Latin, German, French, Greek, Higher Algebra, and Trigonometry. All examinations for such credit must be taken before the student is promoted to the upper division.

REQUIREMENTS IN ENGLISH

Every student upon entering the lower division of the University is required to take a three-hour examination in written English. Upon the basis of this examination, the upper fourth of the students are excused from required work in Freshman composition; the remaining

three-fourths, including any who failed to take the examination, are required to complete a prescribed course in English composition, given three times a week for from one to three terms, depending upon their rank in the examination and in their class work.

At the middle of the second term of each year, the registrar sends to each member of the faculty a list of the sophomore students. Each member of the faculty indicates after each sophomore's name whether his English is deficient or satisfactory and returns the report to the registrar's office, and if three departments report any one student deficient in English, that student is required to complete satisfactorily a further prescribed course of three hours in English composition given in the third term of the sophomore year.

PROCEDURE OF REGISTRATION

1. Students presenting satisfactory credentials for admission to the lower division are given a card of admission by the registrar, and assigned to an adviser. If the student has taken the prescribed examination in English composition, and it has been passed upon prior to the date of the issuance of the card of admission, this card indicates the results of the examination in required English composition. If the student has not taken the examination, he takes it as prescribed in paragraph 2, p. 102.

2. Students presenting satisfactory credentials for admission to the upper division, and students eligible for enrollment in the upper division, are given a card of admission to that division by the registrar.

3. Students who have once been admitted to either division need not secure new cards of admission in order to register for further work in that division.

4. The student presents this card of admission to his adviser. In the case of a student entering the lower division, whose card does not indicate the results of the examination in required English composition, the student must also present either a certificate of attendance at the English composition examination, or a receipt for the late registration fee, required in paragraph 3, p. 48.

5. The adviser then provides the student with a registration card and adviser's duplicate registration card, and class record cards. The adviser enters upon the registration card all courses for

which the student is to be registered, and signs the card. It is the duty of the adviser to satisfy himself that the student has met the requirements for admission to any course entered upon the card.

6. The student fills out the adviser's duplicate registration card and files the same with the adviser. This card corresponds in all particulars with the registration card, and the registrar has access to it at any time. The student also fills out one class record card for each course entered upon his registration card.

7. The student, if necessary, presents his registration and class record card to the "sections committee," which committee assigns him to the proper section, or sections, and makes suitable entries upon the registration and corresponding class record cards.

8. The student presents to the comptroller his registration card, properly filled out and signed by his adviser, (and in the case of women students, countersigned by the dean of women) together with his class record card, and pays all fees. The comptroller retains these cards and turn them over to the registrar. The student is not registered until his fees have been paid.

TIME OF REGISTRATION

1. For the year 1919-20, Monday, September 29, 1919, shall be registration day for upper division students, and Tuesday, September 30, for freshmen and sophomores. The first day of the winter, spring or summer term shall be registration day for that term.

2. All students registering later than the registration day of the fall, winter or spring term, shall be required to pay a late registration fee of two dollars. This fee shall be in addition to any fee which the student may be required to pay under the provisions of the next section. The Registrar is authorized to remit the late registration fee whenever the late registration is due to causes beyond the student's control.

3. A student in residence during the fall or winter term shall deposit his registration and class record cards for the succeeding term, properly filled out, with the comptroller, at least one week before the close of the current term. The student, at his option, may either pay his fees at the time of depositing his cards, thus completing his registration, or he may defer the payment of fees until

registration day. A student failing to deposit his cards as provided in this section, shall pay a special fee of two dollars.

4. Changes of enrollment may be made within three school days of the date of registration with the consent of the adviser alone. After that date such a change can be made only on petition granted by the Committee on Revision of Student Courses, and the payment of a fee of one dollar.

5. During Monday of registration week, the upper division advisers shall be assembled at the men's gymnasium, or some other appointed place, from 8:00 a. m. until 12:00 m., and from 1:00 p. m. until 5:00 p. m., and, during Tuesday, the lower division advisers shall likewise be assembled. The registrar's and comptroller's offices shall be kept open from 8:00 a. m. until 12:00 m., and from 1:00 p.m. until 5:00 p. m. on registration days.

6. A "sections committee," composed of representatives of those departments wishing to limit the enrollment in any sections of any courses, shall be assembled at the same times and places as the advisers. This committee shall notify the advisers of any courses in which the enrollment is to be limited, and the advisers shall then send their advisees to the committee for section assignments.

7. Instruction shall begin at 8:00 a. m. of the school day following the last registration day of each term. Prior to these times, the registrar shall send each instructor all the class record cards which have been filled out for his courses. No student shall be enrolled in any class until the instructor has received the proper class record card from the registrar.

METHODS OF ADMISSION

There are two modes of entrance to the University: First, by recommendation from accredited schools without examination; second, by examination. All students from schools not accredited to the University are subject to examination at the University.

ACCREDITED HIGH SCHOOLS

It is the policy of the University to adjust its standard of entrance requirements so as to be in close touch with the schools of the State that do earnest work, and at the same time to protect the scholarship of the University.

The State high school course is the basis of the requirements for entrance to the University, and the adoption of the State course at once simplifies the passage of students from high schools into the University. Only graduates of high schools which have at least two teachers giving full time to high school work and which meet the requirements of standardization of the State Board of Education, are admitted to the University without examination. The following is the list of schools so standardized for 1918-19.

STANDARD OREGON HIGH SCHOOLS BY COUNTIES

Baker—Baker, Haines, Halfway, Huntington, Muddy Creek (Haines postoffice), Richland, Sumpter.

Benton—Alpine, Alsea, Corvallis, Bellfountain (Monroe postoffice), Kings Valley, Monroe, Philomath.

Clackamas—Canby, Colton, Estacada, Milwaukie, Molalla, Oregon City, Sandy, Willamette.

Clatsop—Astoria, Knappa, Seaside, Warrenton.

Columbia—Clatskanie, Rainier, Scappoose, St. Helens, Vernonia.

Coos—Bandon, Coos River (Marshfield postoffice), Coquille, Marshfield, Myrtle Point, North Bend, Powers.

Crook—Prineville.

Curry—Brookings, Gold Beach.

Deschutes—Bend, Redmond.

Douglas—Drain, Glendale, Glide, Myrtle Creek, Oakland, Riddle, Roseburg, Sutherlin, Wilbur, Yoncalla.

Gilliam—Arlington, Condon.

Grant—Canyon City, Dayville, John Day, Long Creek, Monument, Mt. Vernon, Prairie City.

Harney—Burns.

Hood River—Hood River, Odell (Hood River, R. 3).

Jackson—Ashland, Butte Falls, Central Point, Gold Hill, Medford, Rogue River.

Jefferson—Culver, Madras.

Josephine—Grants Pass, Hugo, Kerby, Merlin.

Klamath—Bonanza, Fort Klamath, Klamath Falls, Merrill.

Lake—Lakeview, Silver Lake.

Lane—Coburg, Cottage Grove, Creswell, Crow, Dorena, Elmira, Eugene, Florence, Irving, Junction City, Lorane, Mapleton, Marcola,

Pleasant Hill, Santa Clara (Eugene postoffice), Springfield, Thurston (Springfield, R. 2), Walker, Walterville.

Lincoln—Newport, Toledo, Waldport.

Linn—Albany, Brownsville, Crabtree, Halsey, Harrisburg, Lebanon, Mill City, Scio, Shedd, South Brownsville, Sweet Home, Tangent.

Malheur—Nyssa, Ontario, Vale.

Marion—Aumsville, Aurora, Hubbard, Jefferson, Salem, Scotts Mills, Silverton, Stayton, Turner, Woodburn.

Morrow—Heppner, Ione, Lexington.

Multnomah—Corbett, Gresham, Parkrose, Portland.

Polk—Airlie, Ballston, Bethel, Dallas, Falls City, Independence, Monmouth, Perrydale.

Sherman—Grass Valley, Kent, Moro, Wasco.

Tillamook—Bay City, Cloverdale, Nehalem, Tillamook.

Umatilla—Athena, Echo, Ferndale (Freewater postoffice), Helix, Hermiston, Milton-Freewater, Pendleton, Stanfield, Umapine, Weston.

Union—Cove, Elgin, Imbler, La Grande, North Powder, Union.

Wallowa—Enterprise, Joseph, Lostine, Wallowa.

Wasco—Dufur, The Dalles.

Washington—Beaverton, Forest Grove, Gaston, Hillsboro, Orenco, Tualatin.

Wheeler—Fossil.

Yamhill—Amity, Carlton, Dayton, Dundee, McMinnville, Newberg, Sheridan, Willamina, Yamhill.

PRIVATE SCHOOLS

Baker—St. Francis Academy.

McMinnville—Academy of McMinnville College.

Milton—Columbia Junior College.

Mt. Angel—Mt. Angel Academy.

Newberg—Pacific Academy.

Pendleton—St. Josephs Academy.

Philomath—Academy of Philomath College.

Portland—Columbia University, Hill Military Academy, St. Helens Hall, St. Mary's Academy, Immaculata Academy, Y. M. C. A. Preparatory School.

Salem—Sacred Heart Academy.

ADMISSION FROM OTHER STATES

Graduates of high schools outside of Oregon will be admitted to the University without examination, on recommendation, when such schools are accredited to their own state university or to universities of equal rank.

ADMISSION TO ADVANCED UNDERGRADUATE STANDING

Advanced standing will be given students coming from institutions of collegiate rank, who can satisfy the committee on advanced credits that the courses offered are equivalent to those given by the University. All applicants for advanced standing must present a complete official transcript covering both their high school and college records, and a letter of honorable dismissal. These records must be filed with the Registrar on or before the day the student registers in the University.

ADMISSION TO THE SCHOOL OF LAW

The requirements for admission to the School of Law comprise the completion of a four-year high school course (see requirements for admission to the freshman class) and two years of work in the College of Literature, Science and the Arts.

ADMISSION TO SCHOOL OF MEDICINE

The requirements for admission to the School of Medicine comprise the completion of a four-year high school course (see requirements for admission to the freshman class), and two years of prescribed premedical work in the College of Literature, Science and the Arts. Details of this course are given under announcements of the department of zoology.

REQUIREMENTS FOR ADMISSION TO SPECIAL STUDENT STANDING

The privileges of a special student are intended for those who, for any reason, are unable to complete a college course, but who are qualified by age, character, practical experience, purpose and habits of study to profit by University courses.

Special students shall be of two classes, as follows:

(1) Persons not candidates for a degree, who have met all the requirements for entrance to the freshman year, to be known as collegiate special students. They may be permitted to take one or more college courses for which they are fitted and shall be subject to the nine-hour rule, except that when registered for fewer than nine hours they must secure credit in them all.

(2) Persons of maturity, twenty years of age or over, and teachers in public or private schools, who present satisfactory credentials and testimonials, to be known as irregular special students. They may be permitted to take one or more college courses for which they are fitted, subject to the condition that they must complete satisfactorily 60 per cent of the work undertaken.

All applications for special student standing must be passed upon by the Committee on Special Students, who reserve the right to reject any petition, as they may deem wise, and to discuss and change any proposed program of studies. Students, other than those of mature years, must give evidence of a definite object to be attained by the courses sought.

Students who have met all the requirements for entrance to the freshman year, and are candidates for a degree, shall be considered regular students, even tho for sufficient reasons they may be permitted to take less than the minimum number of hours. They shall be subject to the nine-hour rule, except that when registered for fewer than nine hours they must secure credit in them all.

CHANGE OF ENROLLMENT

Changes of enrollment may be made within three school days of the date of registration, with the consent of the adviser alone. After that date such change can be made only on petition granted by the Committee on Revision of Student Courses, and the payment of a fee of one dollar. After November 1, February 1 and May 1, of the respective terms, the committee will not consider such petitions.

Students may withdraw from courses with the consent of their advisers and the instructors involved, up to November 1, February 1, and May 1, of the respective terms; but if this leaves less than the regular minimum number of hours prescribed, it requires the approval

of the committee on revision of students' courses. After these dates, and until December 1, March 1, and May 24, respectively, withdrawals are permitted only on petition, and with the specific recommendation of the adviser. After these latter dates, no withdrawals are permitted.

A student may be dismissed from a course at any time by the instructor in charge, after consultation with the adviser of the student involved. Such dismissal is considered a failure, and is indicated in the report by the grade "F."

WITHDRAWAL FROM THE UNIVERSITY

Students withdrawing from the University shall fill out either a Leave of Absence Card or a Card of Withdrawal. Failure to comply with this regulation will lay the student liable to a grade of "F" for all his courses. These cards may be obtained from the registrar. No student may withdraw after December 1, March 1 and May 24 of the respective terms, except on petition and with the special recommendation of his adviser.

AMOUNT OF WORK

The regular maximum number of hours, in addition to prescribed physical and military training, for students in the first three years, is sixteen; minimum, thirteen; for students in the senior class, maximum, sixteen; minimum, twelve. A smaller number of hours may be advised and permitted, on petition, in case of limited physical strength or large amount of outside work.

But students may have seventeen hours placed on their card, with the proviso that not more than sixteen hours of credit shall be granted unless they mantain an average grade above "M," with no conditions; and those making grades of "S" and "H" in two-thirds of the number of hours carried any term, with no grades below "M," may register for eighteen hours the next term, the excess credits being forfeited in case of failure to maintain the same standard.

Except when permitted to register for a smaller number of hours, all students must make passing grades in at least nine hours each term. Students failing to make the required number of hours in any term, are placed upon probation for the next term in which they

are registered in the University, unless a year or more has intervened. If, at the end of the second term, the student has not completed satisfactorily seventeen hours for the two terms involved, he is dropped from the University. Students failing to make the required number of hours in the spring term, are subject to the same regulations for probationed students, unless, before registering again for work in the regular academic year, they shall have completed, in summer school, by correspondence, or otherwise, sufficient university credits to total, when added to those earned in the term mentioned, at least fourteen term hours.

CONDITIONS AND INCOMPLETES

All conditions and incompletes in college subjects must be made up within one year.

Examinations for the removal of conditions will be held on the first Monday and the following Tuesday in December, and on the first Monday and the following Tuesday in May, and at the regular examination times. Conditions and incompletes may also be made up at any time acceptable to the instructor, though students do not have the right to demand examinations at any time except the regular dates set.

DIVISIONS

The work of the University is classified in three Divisions, called Lower, Upper and Graduate. The Lower Division comprises the freshman and sophomore years, and is administered by the College of Literature, Science and the Arts. Details of the requirements in this division are given on pages 84 and 85, under the announcements of that college.

The Upper Division, comprising the junior and senior years, and the Graduate Division, extending beyond those years, include the advanced work of the departments of the College of Literature, Science and the Arts, the various Professional Schools and the Graduate School.

In the Lower Division students are assigned to advisers; in the Upper and Graduate Divisions their choice of School or Major Department determines their adviser.

ATTENDANCE AT CLASSES

All students are expected to attend classes regularly. Daily reports are sent to the registrar by all instructors. Any student not present at at least 80 per cent of the recitations in any subject will be barred from examination in that subject. One-tenth of a term hour will be deducted for each absence from class; provided, however, that when a student is refused examination in a subject on account of absences, no extra credit shall be deducted from other courses for such absences. Excuses for absences on account of sickness may be granted only at the discretion of a committee of the Deans. Students wishing absences excused must file with the Deans a written request specifying the dates of the absences and the reasons therefor.

LEAVING TOWN

Every student before leaving town during the session of the University is expected, as a matter of courtesy, to obtain a temporary Leave of Absence card. These cards may be obtained by the women from the Dean of Women, and by the men from the Dean of the College of Liberal Arts.

SCHEDULE OF MARKS

The University uses the following schedule of marks: H—highest or honor; S—superior; M—medium; P—passing; F—failure.

As an average for a term of years approximately 50 per cent of the students in the class receive the grade "M," which indicates satisfactory or average work; 20 per cent receive the grade "S," and 5 per cent the highest of "H" grade; approximately 25 per cent of the class will receive grades lower than "M."

Cond., conditioned. Quality of work unsatisfactory and probably re-examination required. The mark "Cond." is counted the same as "F," failure, in estimating the number of hours a student has made (under the nine-hour rule) for the term.

Inc., incomplete. Quality of work satisfactory, but unfinished for reasons acceptable to instructor, and additional time granted.

W., withdrawal from class at least one month before the beginning of the final examination period.

Both incomplete and conditioned work must be made up within one year. Failure means that the student cannot receive credits until the work is regularly re-registered and taken over again.

HONORS

Honors granted by the University on graduation are of two kinds: Honors in General Scholarship, and Honors in a Given Subject.

1. Honors in General Scholarship.

Students shall be graduated with honor in general scholarship when for each term hour of their credits ranking below "S" they shall have three term hours which rank above "S," provided none are below passing.

2. Honors in a Given Subject.

These honors shall be based upon excellence of work in connection with one or more honor courses designated by the major profesor, considered in connection with general excellence in the subject of the department. The standard of requirements is intended to be so high that the proportion of students attaining honors in a department will be small, and in more than one department exceedingly small. These honors are intended to be the highest honors conferred by the University upon the candidate receiving the Bachelor's or Master's degree, and equivalent to a recommendation for a scholarship or fellowship in a graduate school.

Seniors may be admitted to honor standing upon registration in the first term; juniors upon registration in any term. Honor courses shall be listed on the regular registration card. Candidates for honors shall have been registered for such honors during at least three terms previous to the honor examination.

Each term the Registrar publishes a list of all who are candidates for honors.

(Detailed information may be secured from the Registrar.)

GENERAL INFORMATION

PUBLICATIONS

THE UNIVERSITY OF OREGON BULLETIN is published monthly, except during the summer vacation. Under this are included the general catalog and announcements of the various schools and colleges of the University.

THE EXTENSION MONITOR is a monthly magazine published by the University for distribution among correspondence students. Its purpose is to disseminate such directions and items of information as are to be sent to all students alike, and at the same time to bind the correspondence students, so far as possible, into a united corps and create among them a spirit of associated effort such as exists in a high degree on the campus in the famous "Oregon Spirit."

THE OREGAN LEAFLET SERIES is issued at regular intervals. It contains announcements and information of value to students taking work in the extension and correspondence department.

OREGON EXCHANGES is a monthly publication published by the School of Journalism. It is made up of articles and news items of interest to the newspapermen of the state.

THE COMMONWEALTH REVIEW is issued quarterly as the publication agency of the community and commonwealth service movement instituted under the auspices of the University of Oregon.

THE UNIVERSITY OF OREGON PUBLICATIONS are a series of scholarly contributions from the various departments of the University.

THE UNIVERSITY NEWS BULLETIN is a page of news items sent about twice a month to the newspapers of Oregon. The people of Oregon own and support the University, and the effort is made to carry to the people through the public press such information about the University as will be of interest.

THE OREGON EMERALD is published three times a week during the college year by the Student Body of the University. The paper is devoted to general college news, and aims to keep the students, faculty and alumni posted concerning the every-day happenings at the University and neighboring institutions. The staff consists of an editor and a business manager, with a large corps of volunteer assistants.

The editor and the manager are elected in May of each year, serving a one-year term. The assistants are appointed by the editor and the manager.

"Old Oregon" is the name of a publication issued in the interests of the Alumni. It contains news of the graduates and of the University, and is purposed to perpetuate, after graduation, the relationships existing between the students and their Alma Mater.

The Oregana is published annually by the Associated Students. It is a book of 400 pages, and from 700 to 1000 copies are issued. Its object is to present the life of the University from the student viewpoint, and to that end it includes stories of University life, cuts of buildings and grounds, drawings, campus scenes, class records, etc.

ORGANIZATIONS

The Associated Students exercise general control over all student affairs within the University. The general management of its affairs is entrusted to an executive committee, consisting of a president, vice-president, secretary, and two members at large. Officers are elected on the second Wednesday in May of each year.

The Student Council consists of twelve members, whose duties and powers are as follows:

1. To act as an intermediary between faculty and students.
2. To appoint a yell leader and supervise features connected with University rooting.
3. To direct entertaining of visiting teams or any others who are guests of the University.
4. To assume charge of all others items of importance in which the students may be directly interested and which are not specifically ascribed to the Athletic Council or the Executive Committee.
5. To act as a board of appeal before which any student directly connected with the University of Oregon may place questions of student welfare.

The Council of Women Students holds regular meetings every two weeks for the discussion of matters pertaining to the welfare of the University women. Each club, sorority, and dormitory has one representative, and an equal number of representatives are chosen by the girls not living in clubs. All members of the Council are seniors.

LITERARY

The Laurean and Eutaxian Corporation was organized with a state charter in 1877 to further the literary interests of the societies of the University. Its library was for years the sole library of the University, and it furnished the nucleus for the present library.

The Eutaxian Society is the literary society of the women of the University. It was organized in 1877, and has given valuable training to the numbers of students who from year to year have planned its work and carried out its programs. The program, which is varied from time to time, includes prepared and impromptu addresses, reviews and discussions of current events, debates and parliamentary drills. Resident alumnae members take an active part in the work of the society, a fact which adds greatly to the strength and value of the organization.

DRAMATIC

The University is particularly fortunate in the opportunities offered to students along this line of activity. In addition to the "Mask and Buskin" chapter of the national "Associated University Players," an organization which is devoted to the production of good plays and the stimulation of dramatic interest on the campus, credit courses in dramatic interpretation are given in the department of Public Speaking, which has its own headquarters, a cosy, well-equipped and self-supporting playhouse, where the University drama is enacted.

MISCELLANEOUS ORGANIZATIONS

Crossroads is a society to the membership of which both students and members of the faculty are eligible. Its purpose is the free interchange of opinion on topics of contemporary interest.

The Spanish Club supplements the classes in Spanish with collateral work in Spanish literature and other readings and discussions with a view to familiarizing the members of the club with the customs and institutions of the countries in which Spanish is spoken.

The Architectural Club has as its function the promotion of the interests of the students who expect to make architecture their life work.

THE MATHEMATICAL CLUB was organized in the fall of 1916 by the students of the department of Mathematics. Meetings are held monthly, at which discussions of all phases of the subject of mathematics are conducted by the students and faculty. All students in the department of Mathematics and allied departments are eligible for membership.

THE EDUCATION CLUB, to which advanced students in the School of Education are eligible, devotes its energies to the discussion of problems of modern education.

SCIENCE CLUB

THE UNIVERSITY SCIENCE CLUB was organized in 1914 by faculty members of the science departments. Monthly meetings are held at which research problems or topics of general scientific interest are presented. Science students are eligible to membership and are invited to participate in the discussions. A limited number of advanced students are annually elected to honor membership of this organization.

CHRISTIAN ASSOCIATIONS

THE YOUNG MEN'S CHRISTIAN ASSOCIATION of the University is a large organization of college men, and as a student activity occupies a prominent place on the campus. The purpose of the association is to conserve, unite and develop the religious side of the student, to render service in numberless ways to the student, and to furnish such activities for the student as will give him an opportunity to learn to live a life of Christian service.

The program of the association includes meeting and helping new students, social affairs of a democratic nature, a free employment bureau, the promotion of Bible study classes, religious meetings, various lectures, friendly visits, deputation trips, and many other forms of social service. Last year the association, through its employment bureau, aided working students to the extent of almost $5,000.00.

The association is supported by voluntary subscriptions on the part of the students, faculty, alumni, parents and friends. Its efficiency as an institution of service is constantly increasing.

The general secretary will be glad to hear from any student or prospective student who desires information or help. Address him, in care of the University of Oregon, Eugene, Oregon, or call at the

office in the Y. M. C. A. "Hut" immediately upon arrival at the University.

The Young Women's Christian Association was organized in March, 1894. Its purpose is to crystallize the Christian element in the University, and make the influence of that element felt among all the young women. Its social function is an important part of its work. New students are met as they come from the trains, and everything is done to make them welcome. Devotional meetings are held every Wednesday afternoon at 4 o'clock in the Bungalow. Officers are chosen the first week in January to serve one year. Any young woman wishing information in regard to the association is invited to correspond with the general secretary of the association at Eugene.

The publicity committee of the Young Women's Christian Association has undertaken the work of an employment bureau, to secure employment for girls who wish to take that means of helping themselves through college. A canvass of Eugene is conducted each year and a list made of desirable places of this sort. Work can easily he found in pleasant homes, which will enable a young woman to make her own way fully or in part.

INTERCOLLEGIATE ORATORIAL ASSOCIATION

The Intercollegiate Oratorial Association is an organization of the following colleges and universities of Oregon: Pacific College, McMinnville College, Albany College, Oregon Agricultural College, Pacific University, Willamette University and the University of Oregon. An annual contest is held each year in turn at each of the colleges interested.

INTERCOLLEGIATE DEBATING LEAGUE

The Intercollegiate Debating League was organized in 1906 and now consists of the University of Washington, the University of British Columbia, and the University of Oregon. Each institution has two teams, which support opposite sides of the question. The affirmative team remains at home and the negative team goes abroad. Debates are held each year with the Oregon Agricultural College. There is also an annual debate between the women of the University of Washington and the University of Oregon.

OREGON HIGH SCHOOL DEBATING LEAGUE

The Oregon High School Debating League was organized in 1907 by Professor E. E. DeCou, for the purpose of promoting debating in the high schools of the state. During the school year of 1917-18, sixty high schools were enrolled and were divided into 12 districts: Lower Columbia, Upper Columbia, West Side, Portland, North Willamette, South Willamette, Coos Bay, Southern Oregon, South-Central Oregon, Southeastern Oregon, Eastern Oregon, and Umatilla. The various schools first settle the district championship, then the district champions debate one another until but two are left, and these hold the final debate for the championship of the state at the University of Oregon, on University Day in May. The winning team gains possession for one year of the University of Oregon cup, which will become the permanent property of the school winning it three times. The present officers are George W. Hug, of McMinnville, president, and R. W. Prescott, of Eugene, secretary-treasurer. The executive committee consists of the officers and J. A. Churchill, State Superintendent of Public Instruction, Cornelia Marvin, State Librarian, and P. L. Campbell, President of the University of Oregon. The annual meeting of the league is held each year in Portland in connection with the meeting of the superintendents' section of the State Teachers' Association.

"DOUGHNUT" DEBATE LEAGUES

These are campus organizations for the purpose of giving practical speech training to the rank and file of the students on the campus. There are two of these leagues—the men's and the women's, composed respectively of the men's and women's fraternities, sororities, dormitories and social clubs. There are ten organizations in each league, and each organization is represented by two debating teams, an affirmative and a negative. These teams, in a series of debates covering two terms, fight for the championship of their leagues, and then contend in a joint debate for the championship of the campus and for the highest honors in debate. The teams are coached by members of the Faculty and by the Varsity debaters, the latter being ineligible for the doughnut series.

ATHLETICS

THE ATHLETIC COUNCIL of the University of Oregon, consisting of three members of the faculty and the president of the University ex officio, three members of the alumni association, and three members of the student body, the graduate treasurer, ex officio, and the president of the student body, ex officio, exercises control over all athletic interests of the University. The football, track, basketball, baseball and tennis teams are all under its direct supervision.

INTRAMURAL ATHLETICS

The University emphasizes as far as possible intramural athletics, with a view that the greatest good may result to the greatest number. Interclass and interclub teams in basketball, tennis, track and baseball for men, and in basketball and tennis for women, bring to many who would otherwise take little or no exercise a very large benefit in the way of physical relaxation and recreation.

WOMEN'S ATHLETIC ASSOCIATION. This association was organized to promote sane athletics among the women of the University and the girls of the high schools of the state.

It sponsors the Women's Tennis Club, a most vigorous organization; with the Women's Department of Physical Education it takes charge of occasional contests with Oregon Agricultural College; manages an Annual Field Day on the campus; and heads the Oregon Trail Girls, an athletic organization which has camps in a growing number of the state high schools.

MUSICAL

THE MEN'S GLEE CLUB is a student organization open to all. The Glee Club is composed of about twenty men, chosen by a competitive tryout held during the first week of the University year. Annual concerts are given in Eugene, and a tour of the state is made during the Christmas holidays.

THE GIRLS' GLEE CLUB consists of 24 voices, chosen in the same manner as the men's club. An annual concert is given and a trip taken each year.

THE UNIVERSITY CHOIR is composed of the two glee clubs. The music for the monthly vesper services is given by this organization.

THE UNIVERSITY BAND is also filled by competitive tryouts. The band furnishes music for games, rallies, student affairs of many kinds and gives concerts both in Eugene and in other cities of the state.

THE WOMEN'S BAND, composed of women of the student body, serves a purpose similar to that of the men's organization. It practices regularly and is heard in at least one concert a year.

THE UNIVERSITY ORCHESTRA practices throughout the year. An annual concert is given, and the orchestra has a prominent part in the commencement music. Concerts are given in other cities. Those playing throughout the year are allowed on term hour of credit.

NATIONAL HONORARY SOCIETIES

SIGMA DELTA CHI—A national journalistic society for students who intend to follow journalism as a life work. Students are eligible the second term of the sophmore year. Honorary memberships are conferred.

TAU KAPPA ALPHA—A national forensic society. Students representing the University in any branch of intercollegiate forensics automatically become eligible to membership in this organization.

ALPHA KAPPA PSI—A national commerce society for students who expect to follow commercial careers following graduation. Major students in the School of Commerce become eligible to membership at the beginning of the second term of the sophomore year.

THETA SIGMA PHI—A national woman's journalistic society for women students in the University interested in journalism.

MU PHI EPSILON—A national society, the purpose of which is to promote and unify the musical interests of the women of the University.

SIGMA UPSILON—A national literary society for students interested in the production of literature. "Ye Tabard Inn" is the name of the local chapter.

DELTA THETA PHI—A national law society. The membership of this society is composed of students majoring in the School of Law.

ASSOCIATED UNIVERSITY PLAYERS—A national society for upperclass students interested in the writing and acting of drama.

ZETA KAPPA PSI—A national woman's forensic society.

STUDENT LOAN FUND

Through the generosity of Mr. William M. Ladd, of Portland, Mr. A. S. Roberts, of The Dalles, and the class of 1904, the University Loan Fund was founded. Although for a number of years the total amount of the fund reached only a little over $500.00, yet its benefits were large, and through it many students were enabled to complete their college course who otherwise could not have done so. At the beginning of 1909, Senator R. A. Booth, of Eugene, became interested, and through his efforts a number of others, among whom were Mr. Theodore B. Wilcox and Mr. J. C. Ainsworth, of Portland, and Mr. John Kelly, of Eugene, made substantial donations. The University now has the following funds, amounting to $7,978.36.

THE GENERAL LOAN FUND, established by Mr. William M. Ladd, of Portland, Mr. A. S. Roberts, of The Dalles, the class of 1904, Mr. Theodore B. Wilcox, of Portland, and other donors whose names have not been given, amounts approximately to $1542.36.

THE ROBERTS LOAN FUND of $165, established by Mr. A. S. Roberts, of The Dalles, now amounts to $622.61.

THE BOOTH LOAN FUND of $1000, established by Senator R. A. Booth, of Eugene, now amounts to $1568.74.

THE AINSWORTH LOAN FUND of $1000, established by Mr. J. C. Ainsworth, of Portland, now amounts to $1385.69.

THE D. P. THOMPSON LOAN FUND of $1000, established by the estate of the late D. P. Thompson, now amounts to $1523.85.

THE CONDON LOAN FUND of $500, established by Mrs. Ellen Condon McCornack, in memory of her father, the late Dr. Thomas

Condon, for many years professor of geology in the University, now amounts to $765.29.

The Kelly Loan Fund of $100 established by Mr. John F. Kelly, of Eugene, now amounts to $143.40.

The Selling Loan Fund of $100, established by Mr. Ben Selling, of Portland, now amounts to $136.42.

The Class of 1911 Loan Fund. This class of 1911 established a loan fund which, when all paid in, will amount approximately to $650.00. The interest of this fund is kept separate from the principal, the plan being to use the interest to publish a class history once each three years. The fund at present amounts to $290.00.

The very generous donations have made it possible more nearly to meet all of the requests for assistance. Loans are made at a low rate of interest and every precaution is made to safeguard against loss. The matter of loans is in the hands of a committee consisting of the President of the University, the Dean of the College of Liberal Arts, the Dean of Women, the Comptroller and the Registrar. Applications for loans are made on blanks furnished by the Registrar. At present loans are not made before the beginning of the sophmore year.

The women of the University are eligible also to receive aid from the Scholarship Loan Fund of the State Federation of Women's Clubs.

TEACHERS' BUREAU

The University maintains a Teachers' Bureau. It does not guarantee to find positions for all its graduates, but it will assist them in every way possible to find good locations. It is under the direction of the School of Education and occupies the full time of a paid secretary. The demand for well-trained University graduates to fill positions as principals and teachers in the high schools of Oregon is good. All assistance which the University can give is freely at the command of its students and graduates who are prepared to teach.

BUREAU OF EDUCATIONAL RESEARCH

In order that a school superintendent or a high school principal may be able to measure the progress of his school, he must have a definite point of departure, a definite goal, and some unit of measure to determine how far he has moved from the point of departure towards that goal. The best known method, to date, to measure such progress is by a system of educational tests. They set up a definite point of departure and they indicate the units of progress made along the "educational highway."

In order that the various schools of the state may have a better chance to measure more definitely their educational progress, and that there may be a chance to compare one school with another in the same class and size, members of the faculty of the School of Education are securing the various Educational Tests and Tests in Physical and Mental Measurements for testing both grade and high school pupils. These tests will be furnished at cost to the various schools, and will be ready for distribution the latter part of September. Definite directions for giving the tests will be sent out from the University, and in some instances, especially in Physical and Mental Measurements, the tests will be conducted in person by the professor in charge at the University.

It is asked that the data be sent to the University where they will be compiled, comparisons and correlations will be made and published in bulletin form for the use of the various schools cooperating.

LEGISLATIVE SERVICE AND REFERENCE BUREAU

By the action of the state legislature of 1919, there was established at the University of Oregon the "Legislative Service and Reference Bureau," the purpose of which is to obtain and organize data for use in the preparation of bills to be presented to the legislature or to the people.

GENERAL ASSEMBLY

A general assembly of the University is held each Wednesday at 10 a. m. Appropriate exercises are held and addresses are made by

invited guests, or by the President or members of the faculty of the University.

ALUMNI ASSOCIATION

The Alumni Association of the University of Oregon was organized in 1879. The membership consists of all the graduates of the University. The objects of the association are to "advance the cause of higher education, to promote the interests of the University of Oregon, and to encourage mutual acquaintance and good fellowship among the alumni." The annual meeting is held at Eugene during Commencement Week. The business of the association is transacted mainly by the alumni council, which consists of the president, vice-president, secretary and nine members elected at large. Meetings of the council are held during the year, according to the convenience of the members and the urgency of the business presented. In addition to these elective officers, a secretary is engaged to take care of the business of the association. The publication of "Old Oregon," the alumni magazine, is effective in promoting the interests of the alumni. The dues of the association are one dollar a year.

PRIZES AND SCHOLARSHIPS

PRIZES

The Failing Prize

The Failing prize, not to exceed one hundred and fifty dollars, is the income from a gift of twenty-five hundred dollars made to the University by Hon. Henry Failing of Portland. It is awarded "to that member of the senior class in the Classical, Scientific or the Literary course prescribed by the University, or such course as may, at the time, be substituted for either of said courses, who shall pronounce the best original oration at the time of his or her graduation."

In 1918 the Failing prize was awarded to Walter L. Myers.

The Beekman Prize

The Beekman prize, not to exceed one hundred dollars, is the income of a gift of sixteen hundred dollars made to the University by Hon. C. C. Beekman of Jacksonville. It is awarded under the same conditions as the Failing prize, for the second best oration.

In 1918 the Beekman prize was awarded to Mrs. David C. Kellems.

The Bennett Prize

The Bennett prize is the income from a gift of four hundred dollars made to the University by Hon. Philo Sherman Bennett of New Haven, Connecticut. It is given for the best student paper on the principles of free government. The annual income is about $16.00.

Alumni Medal

The Alumni medal is presented annually by the Alumni Association of the University to the best individual student debater.

The Edison Marshall Prizes

Prizes of $10.00 for the best short story, and $5.00 for the second-best short story, are given each year by Edison Marshall, ex-'17. Contestants are limited to undergraduates regularly enrolled and in good standing. The contest is under the direction of the Department of Rhetoric.

SCHOLARSHIPS

Medicine

The University of Oregon School of Medicine offers annually one full scholarship and two half scholarships. The holder of the full scholarship is exempt from all fees except some incidentals, the total reduction from the regular fees of the session being $120.00 for the first and second years of attendance. The half scholarship carries a reduction of $60.00 for each session in the same way. Two half scholarships cannot be united to make one full scholarship. The scholarships are awarded to graduates of the University of Oregon having a bachelor's degree of not more than three years' standing at entrance to the Medical School. The awards are made by the Faculty of the University, subject to approval of the Medical Faculty.

Collegiate Alumnae Scholarship

The Oregon Branch of Collegiate Alumnae offers to the young women of Oregon a scholarship of $200.00 at the University of Oregon.

Application for this scholarship should be made through an informal letter stating fully the work done in the preparatory school and the course desired in the University, with whatever further information the candidate may consider desirable. The candidate who, in the judgment of the committee, is the best fitted to do excellent work will be appointed. Applications may be addressed to the chairman of the committee, Miss Laura Northrup, Lincoln High School, or 599 Elizabeth street, Portland, Oregon.

The Mary Spiller Scholarship

The Mary Spiller Scholarship is given by the State Association of the University of Oregon Alumnae, in memory of Miss Mary Spiller, the first women member of the faculty of the University. It consists in the payment of board and room rent at Hendricks Hall, situated on the University campus, for one school year.

Any girl graduate of an accredited high school of Oregon is eligible to this scholarship and it may be given to the same person more than one year, if the committee think it wise so to award it.

Applicants for this scholarship should send their applications, with any recommendation or information which they may wish to include, to the Corresponding Secretary of the Association, Mrs. Camille Bovard, 242 Fourteenth Avenue East, Eugene, Oregon.

Portland Pan-Hellenic Scholarship

The Portland Pan-Hellenic Society gives an annual scholarship to the University of $250.00. The society selects its own girl each year to receive it.

Rhodes Scholarship

These scholarships are of the value of 300 pounds a year, and are tenable for three years.

The examination for Oregon is held at a center fixed by the local Committee of Selection. It should be clearly understood that

this examination is not competitive, but simply qualifying, and is merely intended to give assurance that every elected scholar is up to the standard of the first examination (responsions) which the University demands of all candidates for the B. A. degree.

The Rhodes scholars are selected from candidates who have successfully passed this qualifying examination.

Candidates must be unmarried and must be citizens of the United States. Candidates are eligible who have passed their nineteenth birthday, but have not passed their twenty-fifth birthday on October 1 of the year for which they are elected.

It has been decided that all scholars shall have reached, before going into residence at Oxford, at least the end of their sophomore or second-year work at some recognized degree-granting university or college.

THE UNIVERSITY INFIRMARY

The University Infirmary provides medical advice and treatment for any member of the student body, faculty or employee of the institution. This includes, without cost, dispensary service at any time, and free infirmary care, including bed, meals, ordinary medicine, doctor's fee, nurse, for the period of four weeks. For students who are ill longer than this time it may be necessary to charge a small additional fee per day. The infirmary service does not include the care of chronic diseases, or provide for major operations.

Regular office hours are kept by the University Physician, but those who can not come at the regular time, or those who need immediate care, may go to the infirmary at any time, where a graduate nurse is on duty night and day.

STUDENT EXPENSES

INCIDENTAL FEE

There is no tuition at the University of Oregon. The incidental fee of $17.50 per year by students in all departments of the University and also the student-body tax of $8.00 per year for the support of student enterprises, are paid in installments of $8.50 at the beginning of each term. At the time of payment the student receives a ticket which admits him free of charge to all contests, concerts, games, etc., given on the campus by the Associated Students during the term. Graduate students are not required to pay the student-body tax. The fees in the School of Music vary with the instruction.

A diploma fee of $10.00 is charged for each degree taken. The rules prescribe that no person shall be recommended for a degree until he has paid all dues, including the diploma fee.

GENERAL EXPENSES

Comparative statement of student's expenses for the academic year, from September to June:

	Low	Average	Liberal
Incidental fee	$ 17.50	$ 17.50	$ 17.50
Student-body tax	8.00	8.00	8.00
Board and room	162.00	225.00	270.00
Sundries	120.00	157.00	312.00
	$307.50	$407.50	$607.50

The expenses of one person for a year vary according to the circumstances of the case, but, as will be seen from the above statement, are in general very low. The following estimate is probably substantially correct: Board and room from $20.00 to $30.00 per month. The usual price in clubs run by the students is $25.00 per month. Students often rent rooms and do light housekeeping, thus reducing the cost of living much lower than the figure given above.

FRIENDLY HALL

Friendly Hall, the men's dormitory, is a three-story brick building located on the campus. The men living in the dormitory have

a club organization, which is thoroughly democratic, by means of which, aided by the natural advantages of location, a pleasant home is secured. The social life is cared for in a large, pleasant reading and reception room on the ground floor. The rooms are furnished throughout, with the exception of a mattress, bedding and towels, which are supplied by the occupants. The building is steam-heated, and an abundance of hot and cold water is on each floor; with shower baths, lavatories, etc. There are about fifty rooms, which furnish accommodations for 60 or 70 men. The double rooms, or suites, easily accommodate three men, and some of the single rooms accommodate two men. Board at present is $5.00 a week. The dining-room accommodates 90 men. The dormitory is run at cost, with only a small margin at the end of each school year for replacement and repairs, so that the students patronizing it are enabled practically to live for cost. All possible savings and economy are effected by the management in the way of buying and serving, so that the service in the dormitory is much better for the amount paid than can possibly be secured in private homes.

Following is a table of the expenses other than board:

Room rent per term, including laundry for beds, payable at beginning of each term, per room.....$10.00
Room deposit, returnable at end of year..... 10.00

Board is payable monthly, in advance.

Applications for rooms should be addressed to the House Director, Friendly Hall, University of Oregon, Eugene. If rooms are available at the time of the application, an assignment will be made at once; otherwise the names will be kept on file, the rooms to be assigned in order of application as vacancies may occur. The room deposits should either be sent in with the application, or when the assignment is made.

HENDRICKS HALL

Hendricks Hall, a hall of residence for women, was erected in 1918. It is a substantial, three-story brick building, of fire-proof construction and colonial in type. It contains a spacious living room, made charming with its tasteful selection of colonial furniture, a

commodious dining room, kitchens that are equipped with every modern device, rooms for guests, and 28 suites for students, each arranged to accommodate four girls. Each suite includes a study, wardrobe, dressing room—supplied with hot and cold water—and sleeping balcony. In every respect, Hendricks Hall is confortable and home-like, with many evidences of unusual care and taste in its appointments.

Reservations for rooms in Hendricks Hall must be made through the House Director not later than September 15, for the fall term; December 15, for the winter term; and March 15, for the spring term. A room deposit of $5.00, payable to Mr. L. H. Johnson, Comptroller, is required when the reservation is granted. This deposit will be returned when the occupant leaves the hall, provided the room and equipment are left in good condition. Deposits will not be returned if relinquishments of reservations are made later than one week before the opening of the term.

TERMS

(a) Board, $5.00 per week, is payable monthly, before the 10th. A refund of 50 cents per day is made for absences of not less than three consecutive days when notice is given in advance.

(b) Room, $1.00 per week, payable by the month, before the 10th.

(c) Furnishing fee, $1.00 per month.

(d) Guest Fees—

Meals: Breakfast, luncheon and Sunday tea....25c
Dinner 35c
Guest room, per night 50c
Guest entertained in student suite.....25c

(e) Rooms will be equipped with electric globes. A charge of 25 cents is made for renewals.

ROOMS IN PRIVATE FAMILIES

The University publishes about September 15 of each year a directory of approved rooming and boarding places. The directory is sent free of charge, upon application to the Registrar. The number of rooming and boarding places each year is large, and students will have no trouble in finding good locations. Ordinarily, it is not

advisable to engage a room before reaching Eugene. The price of rooms varies from $1.00 to $3.00 per week, and board from $4.50 to $6.50 per week. The average price for room and board in private families is $25.00 per month.

FRATERNITIES

Supplementing the two halls of residence on the campus are the houses of the various fraternities and sororities—sixteen in number—each one constituting an invitational group of from twenty to thirty men or women. Each unit maintains its own residence, its own organization, and, under the general supervision of the University, manages its own affairs. At each of the women's organizations there is a "house mother," who acts as chaperon, counsellor and supervisor.

SELF-SUPPORT

Approximately seventy per cent of the men attending the University, and many of the women, are either wholly or in large part earning their own way by work in the summers and work done during the college year. Eugene is a growing town of 12,000 inhabitants, whose citizens are friendly to the University, and take pleasure in affording to students the opportunity to earn their necessary expenses. The work available during the session consists of janitor work, typewriting, reporting, tutoring, waiting on table, clerking, clothes pressing, odd jobs, etc. The Y. M. C. A. and Y. W. C. A. conduct free labor bureaus, which are at the service of the students. The University is glad to be of all possible assistance to those desiring to find work. In writing regarding employment, address the Secretary of the University Y. M. C. A. or Y. W. C. A., who have charge of the employment bureau.

LABORATORY FEES

In all laboratory courses a charge is made for the use of the laboratory and its equipment, for supplies used, and for breakage. At the end of the term or year, depending on the course taken, any cash balances are returned or collected, as the case may be. Payment of the fee must be made before enrollment in any laboratory

course. A statement of the exact charge will be found under the announcements of each department offering laboratory courses.

THE RESERVE OFFICERS' TRAINING CORPS

Upon the demobilization of the Student Army Training Corps, which was completed at the close of the first term in 1918, the University, feeling that the need of some form of military training was not entirely passed, and acting in accordance with the express wishes of the War Department, sanctioned the organization of a unit of The Reserve Officers' Training Corps. It is for the present, at least, the policy of the University to maintain this establishment—at least until the need for it seems to have entirely disappeared, or until it is superseded by some other form of training which may grow out of action taken by the League of Nations and corresponding legislation enacted by Congress.

Under the conditions of the R. O. T. C., military training is required of all men in the Freshman and Sophomore classes in the University. Exception is made in the case of boys not physically qualified and in case of those who, through lack of money, find it necessary to devote their spare time to remunerative labor. The training consists of military drill, and studies and lectures in military science. Beyond these two years, the military work is not compulsory, but the men in the upper classes may elect to continue their training and to avail themselves of certain privileges incident thereto.

Out of those who complete, satisfactorily, the prescribed training, a certain number are selected to attend Officers' Training Camps, from which the successful candidates receive commissions as officers in the United States Army.

All members of the R. O. T. C. receive, free of charge, a complete outfit of military clothing. In addition, men in the Junior and Senior classes who are recommended and elect to continue their training in the R. O. T. C., will receive "commutation for subsistence" at the rate of forty cents a day. Guns and all other equipment necessary for the military work are provided by the government.

The R. O. T. C. offers to all students an opportunity to acquire the discipline of military training, and, to those who desire to enter the army as a vocation, the most advantageous opportunity of qualifying for a commission.

ORGANIZATION OF THE UNIVERSITY

GRADUATE SCHOOL.

COLLEGE OF LITERATURE, SCIENCE, AND THE ARTS.
- General Courses in Liberal Arts.
- Special Courses including—
  - Course Preparatory to Medicine.
  - Course Preparatory to Law.
  - Course Preparatory to Engineering.

SCHOOL OF ARCHITECTURE AND ALLIED ARTS.

SCHOOL OF COMMERCE.

SCHOOL OF EDUCATION.

SCHOOL OF JOURNALISM.

SCHOOL OF LAW.

SCHOOL OF MEDICINE.

SCHOOL OF MUSIC.
- Theory, Harmony, and Musical History.
- Piano.
- Voice.
- Violin.

SCHOOL OF EXTENSION STUDY.

SUMMER SCHOOL.

THE GRADUATE SCHOOL

ORGANIZATION

The administration of the Graduate School is entrusted to the Graduate Council, of which the Dean of the school is chairman. The council has such authority as is sanctioned by the faculty of the University. The Graduate Faculty is composed of those offering courses approved as carrying graduate credit.

ADMISSION

Any graduate holding a Bachelor's degree or its equivalent from a reputable college or university, will be admitted to the Graduate School without examination, and may register for such graduate work as he may be found prepared to enter upon, but he will not thereby be admitted to candidacy for a higher degree until his case has been duly considered and approved by the Graduate Council.

All inquiries concerning admission to the Graduate School should be addressed to the Dean. The student intending to become a candidate for a higher degree should file with the Dean as his credentials his diploma, a copy of the catalog of the institution from which he graduated, and a transcript of scholarship record as an undergraduate and for graduate work completed, if any, in other institutions.

If the rating of the institution from which he received his first degree is such that he will need a year's additional work before beginning real graduate work at this institution, he would do better to enter one of the undergraduate schools of the University and obtain the preliminary training and an acceptable Bachelor's degree.

College graduates who simply desire to take additional work of an undergraduate grade without a view to preparation for an advanced degree should apply directly to the Registrar and follow the procedure prescribed for undergraduates in registering. Such college graduates will, however, have the status of graduate students and will be exempt from the undergraduate student-body tax.

FEES

All graduate students, not members of the instructional staff, are required to pay a registration fee of $17.50 for each year in which

they do residence work. Members of the instructional staff may register for graduate work on payment of a registration fee of $5.00. The fees for graduate work done through correspondence include a fee of one dollar for each credit hour of graduate courses undertaken.

REGISTRATION PROCEDURE

A graduate student in residence, but not a candidate for an advanced degree, can complete his registration by paying the registration fee for the term at the Comptroller's office, and filing a study card for the term at the Registrar's office, which has been filled out by the professor in charge of his major line of work. Graduate students not candidates for an advanced degree, and not in residence, will follow procedure of registration prescribed for all students in the School of Correspondence Study.

A graduate student who desires to do graduate work for an advanced degree, whether be begins in absence or in residence, should first have filed his credentials with the Dean of the school and have filled an application blank. He will then be advised as to what departmental heads to confer with for determining the lines of work advisable for him to undertake. In case the graduate student selects a line of work for graduate study for which he has not as an undergraduate taken the requisite foundational course, it will be necessary for him first to take the prerequisite, or undergraduate courses, without graduate credit.

The Graduate Council, with the aid of the credentials filed and the plans of study submitted by the heads of the departments interviewed, will pass upon the requirements to be made of the candidate for earning the degree applied for. The candidate having the conditions thus definitely determined under which he may begin his work for a higher degree, pays the required registration fee and files each term a study card filled out by his major professor. The courses on it to carry credit toward earning the degree must have the approval of the Graduate Council.

ASSIGNMENT OF STUDIES

The heads of the departments in which the student chooses to take his major and minor work determine the combination of courses

that he shall pursue, subject to the approval of the Graduate Council. These departmental heads, along with an additional member of the Graduate Faculty selected on the basis of the amount of personal knowledge of the character of student's work, shall constitute his Special Committee, who shall conduct his examinations, and upon completion of all requirements certify to the Graduate Council his having earned the degree. The head of the department in which the candidate for an advanced degree takes his major work shall be his adviser and chairman of his special committee.

DEGREES GRANTED

The University now offers the following advanced degrees: Master of Arts and Master of Science.

Requirements for These Degrees

(1) Residence Requirement. The regular minimum residence requirement made of candidates for the Master's degree shall be one year. However, if the candidate's major and minor lie in departments that offer the requisite graduate courses at the Summer School and through correspondence study, so as to make possible the earning of the credits necessary to meet the scholarship requirements made of candidates for the Master's degree, the following modified residence requirements will be accepted, subject to the approval of the Graduate Council:

(a) The minimum residence requirement made of candidates who offer a combination of approved graduate summer school and graduate correspondence-study courses, shall be 27 term hours, of which 18 term hours at least must be earned in Summer School courses, and the remainder of the residence requirements shall be fulfilled through study in libraries and laboratories under the direction of the head of the department in which the candidate is preparing his thesis.

(b) In order that the courses taken in Summer School and through correspondence-study may be acceptable for A. M. credits, they must be listed as courses for "graduates and advanced undergraduates," and must be sanctioned by the resident heads of the respective departments as graduate courses.

All work done through correspondence-study for the Master's degree shall be in regularly outlined and organized courses of the Correspondence-study department, except that the Graduate Council may by special action sanction a proposed line of study for earning graduate credit that is specified by the head of the department concerned.

(2) Scholarship Requirements. The work to be counted toward an advanced degree must be divided between a major subject and a minor, the former receiving approximately 30 term hours and the latter 15. Nine of the 45 hours may, at the option of the candidate's Special Committee, be assigned to the thesis. All candidates must, on or before Monday of the third week before the last of the University year in which the degree is to be conferred, file with the Registrar for the Graduate Council a thesis approved by the chairman of his Special Committee having charge. Within the week in which the thesis is filed the candidate shall sustain a public oral examination by his Special Committee.

No graduate student shall receive any credit toward a degree for grades below "M." At least one-third of the credits required for the degrees of Master of Arts or Master of Science shall be "H" or "S."

MASTER'S DEGREE THROUGH SCHOOL OF MEDICINE

The Master's degree may be earned through graduate work in the Medical School of the University at Portland. The requirements for this degree in medicine are those specified by the committee on education of the American Medical Association, with such adaptations only as are made necessary by the administrative organization of the Graduate School of the University.

Courses in the different departments and schools numbered from 100 to 199 inclusive, and primarily intended for students in the upper and graduate divisions, are recognized by the Graduate Council as available for earning graduate credits, especially for fulfillment of requirements in the minors. Courses numbered 200 and up are the distinctively graduate courses.

Opportunities for lucrative employment as readers, laboratory assistants, etc., are often open to graduate students of high standing. Those interested in securing such positions should correspond with the president of the University or the head of the department in which they expect to work.

COLLEGE OF LITERATURE, SCIENCE AND THE ARTS

THE FACULTY

P. L. Campbell, LL. D., President.

John Straub, Lit. D., Dean of the College of Literature, Science and the Arts, Professor of Greek Language and Literature.

Percy Paget Adams, B. S., Professor of Graphics.

Lieutenant-Colonel Raymond C. Baird, U. S. A., Assistant Professor of Military Science and Tactics.

Clayton Baldwin, Assistant Professor of Drawing.

James D. Barnett, Ph. D., Professor of Political Science.

Ernest Sutherland Bates, Ph. D., Professor of Rhetoric and American Literature.

John Freeman Bovard, Ph. D., Professor of Zoology.

Col. William H. C. Bowen, U. S. A., Commandant R. O. T. C., and Professor of Military Science and Tactics.

William Pingry Boynton, Ph. D., Professor of Physics.

Julia Burgess, M. A., Professor of Rhetoric.

Albert E. Caswell, Ph. D., Professor of Physics.

Herman Aldrich Clark, M. A., Professor of Latin.

Robert Carlton Clark, Ph. D., Professor of History.

Timothy Cloran, Ph. D., Professor of Romance Languages.

Edmund S. Conklin, Ph. D., Professor of Psychology.

Peter Campbell Crockatt, M. A., Professor of Economics.

Mabel Louise Cummings, Director Women's Gymnasium.

Burchard Woodson DeBusk, Ph. D., Professor of Education.

Edgar Ezekiel DeCou, M. S., Professor of Mathematics.

*Frederick Stanley Dunn, M. A., Professor of Latin Language and Literature.

Charles H. Edmondson, Ph. D., Professor of Zoology.

Louise Ehrman, B. L., Acting Dean of Women.

*Elizabeth Freeman Fox, B. A., Dean of Women and Professor of Sociology.

Albert N. French, M. A., Assistant Professor of Education.

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*Leave of absence for war work.

JAMES HENRY GILBERT, Ph. D., Professor of Economics.
GLADYS GORMAN, B. A., Assistant Professor of Physical Training.
CHESTER A. GREGORY, M. A., Professor of Education.
WILLIAM L. HAYWARD, Associate Director Men's Gymnasium.
HERBERT CROMBIE HOWE, B. A., Professor of Modern English Literature.
JOHN J. LANDSBURY, Mus. Dr., Professor of Music.
LIEUTENANT-COLONEL JOHN LEADER, Professor of Military Science.
EDWARD H. MCALISTER, M. A., Professor of Mechanics and Astronomy.
WILLIAM EDMUND MILNE, Ph. D., Professor of Mathematics.
EARL L. PACKARD, Ph. D., Professor of Geology.
MABLE HOLMES PARSONS, M. A., Professor of Rhetoric.
MARY H. PERKINS, M. A., Professor of Rhetoric.
ROBERT W. PRESCOTT, B. A., Professor of Public Speaking.
ARCHIBALD F. REDDIE, B. A., Professor of Public Speaking.
HELEN RHODES, Assistant Professor of Drawing.
EDWIN CLYDE ROBBINS, Ph. D., Professor of Economics.
JOSEPH SCHAEFER, Ph. D., Professor of History.
FRIEDRICH GEORGE G. SCHMIDT, Ph. D., Professor of German.
ALFRED HERMAN SCHROFF, Professor of Fine Arts.
HENRY DAVIDSON SHELDON, Ph. D., Professor of Education.
FREDERICK LAFAYETTE SHINN, Ph. D., Professor of Chemistry.
DEAN H. WALKER, B. A., Assistant Professor of Physical Training.
WARREN D. SMITH, Ph. D., Professor of Geology.
*ORIN FLETCHER STAFFORD, M. A., Professor of Chemistry.
FRED L. STETSON, M. A., Professor of Education.
ALBERT RADDIN SWEETSER, M. A., Professor of Botany.
W. F. G. THACHER, M. A., Professor of Rhetoric.
HARRIET THOMSON, B. A., Assistant Director of Women's Gymnasium.
EDWARD THORSTENBERG, Ph.D., Professor of Scandinavian Languages.
LILLIAN TINGLE, Professor of Household Arts.
RAYMOND H. WHEELER, Ph. D., Professor of Psychology.
*MARY WATSON, M. A., Assistant Professor of English Literature.
FREDERICK GEORGE YOUNG, B. A., Professor of Economics and Sociology.
ROY C. ANDREWS, B. A., Instructor in Botany.

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*Leave of absence.

Charlotte Banfield, Instructor in Public Speaking.
Cecelia Smith Bell, B. A., Instructor in English Literature.
Mabel Dorsey, Instructor in Public Speaking.
Norma B. Dobie, B. A., Instructor in English Literature.
Laura Celeste Foulkes, B. A., Instructor in Botany.
Lois Gray, B. A., Instructor in Romance Languages.
Celia Hager, M. A., Instructor in Psychology.
Ada Hall, B. A., Assistant Instructor in Zoology.
Camilla Leach, Assistant Instructor in Drawing.
Antoinette Shumway, B. S., Instructor in Household Arts.
Andrew Fish, Instructor in History.
Ida V. Turney, M. A., Instructor in Rhetoric.
Catherine Winslow, Ph. B., Instructor in Women's Gymnasium.
Anna Benton Zimmerman, B. A., Instructor in Romance Languages.

ORGANIZATION

The College of Literature, Science and the Arts includes the following departments:

Botany, Chemistry, Rhetoric and American Literature, English Literature, Economics and Sociology, Education, Geology, Germanic Languages, Greek, History, Household Arts, Hygiene and Physical Education for Women, Latin, Mathematics, Mechanics and Astronomy, Military Science, Philosophy and Ethics, Psychology, Physics, Physical Education for Men, Political Science, Public Speaking, Romance Languages and Zoology.

LOWER DIVISION

The work of the Lower Division, comprising the freshman and sophomore years, is administered by the College of Literature, Science and the Arts. Each student is placed under the supervision of a member of the faculty, who acts as his adviser, making out and signing his study card. The adviser is responsible for such a selection of studies as will meet the requirements of the University, and his signature is necessary before the card can be filed. Change of advisers is made only upon the initiative of the adviser, when it appears that the best interests of the student may be served by the

change. In such a case, a new assignment of adviser is made by the chairman of the committee of advisers.

Required Work

A term hour is the credit given for a course consisting of one recitation, lecture or laboratory period a week for one term of twelve weeks. Three hours constitute a laboratory period.

Before promotion from the Lower to the Upper Division, a student must complete not less than sixty-four semester hours, or ninety-six term hours, including prescribed Physical and Military Training, satisfy the University requirements in English, the Group Requirements, and the requirements for admission to a professional school, or to the work of a major department.

Physical Training—In addition to the 120 semester, or 180 term hours required for graduation, four semester or six term hours shall be earned in physical training to be taken in the freshman and sophomore years. In case students are for valid reasons excused from physical training, such students shall earn an equivalent amount of credit in other departments; i. e., students excused from gymnasium shall complete 124 semester or 186 term hours of University work for graduation. Three hours in the gymnasium each week for one term shall be equivalent to one term hour.

Most of the subjects open to students in the Lower Division are included in one or another of the following groups:

Group 1. **Languages.** English (excepting prescribed freshman composition); other languages.

Group 2. **Social Sciences.** History; Economics, Sociology, etc.

Group 3. **Mathematics and Science.** Mathematics; Science. Science courses to be counted only when they include regular laboratory or field work.

Each student must, before promotion, take a continuous year course in each of these groups, of not less than three hours each term.

The different departments and schools give in connection with their announcements of courses statements of the work which should be included in the lower division program as a preparation for major work in the upper division.

SPECIAL COURSES

Certain special courses have been arranged in the Lower Division leading to advanced work in the professional schools of the University or elsewhere, or in preparation for certain vocations. In most cases these courses conform to the general requirements of the Lower division; such exceptions as appear have been specifically authorized by the faculty. These courses are listed below, together with the name of the department or school and the page where the description is given.

Course.	Dept. or School.	Page
Architecture	Architecture	191
Art Teachers and Supervisors	Education	219
Commerce	Commerce	202
Pre-Engineering	Physics	160
Journalism	Journalism	229
Law	Law	239
Pre-Medical	Zoology	180
Music, Degree of Mus. B.	Music	291
Music Teachers and Supervisors	Education	222
Physical Education, Directors, Teachers.	Education	221
Teachers of High School Science	Education	220

UPPER DIVISION

The work of the junior and senior years is designated as the "Upper Division."

Students who have met the requirements for promotion from the Lower Division or do not lack more than six hours of such promotion, may be enrolled in the Upper Division.

Students electing a professional school take a prescribed course in that school in the Upper Division. Students remaining in the College of Literature, Science and the Arts elect a Major Department, the head of which either acts as their adviser or assigns them to an adviser. Change of major can be made only on petition. The adviser may require not less than twelve (12), nor more than thirty (30), semester hours, that is not less than eighteen (18), nor more than forty-five (45), term hours of advanced work in the major department or in closely allied departments, and may make reasonable requirements of work in other related departments.

Each candidate for the baccalaureate degree shall present at the option of his major professor an approved graduating thesis in his major subject. Credit not to exceed four semester or six term hours may be allowed for the preparation of the thesis.

Degrees

When a student, in addition to full promotion from the Lower Division, has completed sixty semester or ninety term hours of work in the Upper Division, including the requirements of his major department, he may be granted the degree of Bachelor of Arts, or Bachelor of Science, as indicated below. But work done before promotion to the Upper Division, or to remove a condition in this promotion, is not counted toward the required hours.

In order to receive the degree of Bachelor of Arts, in addition to the general requirements just mentioned, a student must have included in his University course not less than two years of consecutive work in one language other than English; but if one year's work is a continuance of a language already studied two years in the high school, the other may be in a different language. If a student enters the University conditioned in foreign language, the requirement is increased by nine or fifteen hours as stated on page 44, but at least two years of work in the same language is repuired in the University.

A candidate for the degree of Bachelor of Science must similarly have included in his University course either at least three year-courses, aggregating not less than thirty term hours in Social Sciences, or a like amount of work in either Mathematics or Science.

Students who have entered the University before September, 1917, will complete the courses and receive their degrees under the conditions announced in previous catalogs. But such students may elect to take the degrees under the new conditions. In such case they must meet all the requirements here announced, including the group requirements, the computation of major requirement counting advanced work only, and the requirement of continuity of language work for the A. B. or of the minimum work in Social Science, Science or Mathematics for the B. S.

DEPARTMENTS OF INSTRUCTION

ANNOUNCEMENT OF COURSES FOR 1919-1920

Note—Courses numbered from one to ninety-nine are primarily intended for students of the lower division, though they may often be taken as free electives in the upper division. Courses regularly open to freshmen are indicated on the term schedule. Courses numbered from 100 to 199 are primarily intended for students in the upper division, but may be taken by qualified students of the lower division by permission of the instructor. Some of these courses may be counted toward a graduate degree. Courses numbered over 200 are primarily intended for graduate students, but may also be taken by qualified students of the upper division by permission of the instructor.

ART

(See School of Architecture)

BOTANY

Professor SWEETSER — Mr. ANDREWS

MISS SANBORN — MISS FOULKES

Students planning to make Botany their major subject should include in their lower division program courses 1, 1a and 1b, General Biology and General Botany, and if possible also the courses in General Zoology and General Chemistry.

LOWER DIVISION

1. **General Biology**—Introductory to Botany, 1a, and Zoology, 1a. A study of the cell, its structure, function and relation to heredity. An investigation of life processes as exemplified in a few typical plants and animals.

Lectures in two sections, Tuesday, Wednesday and Thursday, at 8 o'clock. Tuesday, Thursday and Friday at 10 o'clock.

Laboratory one period a week. Premedic students Monday or Friday afternoon. Physical Education Tuesday or Thursday afternoon. General, Wednesday afternoon. Professor SWEETSER.

Four hours, fall term.

1a. **General Botany**—A continuation of General Biology. Freshmen or others may enter. A further study of the life processes in lower plant forms, especially mosses, algae, fungi and lichens, their classification and economic importance.

Lectures Tuesday, Wednesday and Thursday at 8 o'clock. Laboratory Monday, Tuesday, Wednesday or Thursday afternoon.

Four hours, winter term.

1b. **Continuation of Botany, 1a.** Open to freshmen or others. The habits, physiology, methods of reproduction, ecological relations, economic value and classification of the flowering plants. Lectures Tuesday, Wednesday and Thursday at 8 o'clock. Laboratory Monday, Tuesday, Wednesday or Thursday afternoon.

Four hours, spring term.

11. **Sanitary Hygiene**—The study of diseases, their causes and prevention; pure food, pure water, pure milk, etc. Lectures Monday, Tuesday and Thursday at 11:00 o'clock. *Three hours, fall term.*

UPPER DIVISION

104. **Medical and Economic Botany**—Plants used in medicine and the powdered drugs made from them. Plants used for food and in the arts. *Three hours.*

105. **Plant Physiology**—A study of life phenomena as manifested in the plant. Prerequisites, Courses 1, 2 and 3. Lectures and laboratory. *Three hours, winter term.*

106. **Bacteriology**—Lectures Monday and Friday at 10 o'clock. Laboratory, Wednesday and Friday afternoon.

Four hours, winter or spring term.

107. **Bacteriology**—Continuation of Bacteriology 106. Lectures Tuesday and Thursday at 10 o'clock. Laboratory, Tuesday and Thursday afternoons. *Four hours, spring term.*

107a. **Advanced Laboratory Work in Bacteriology.** A continuation of Courses 106 and 107. Two laboratory periods to be arranged. *Two hours, spring term.*

108. **Systematic Botany**—The classification of as many plant forms as possible. Lectures, Tuesday and Thursday at 9 o'clock. Laboratory one afternoon. *Three hours, fall term.*

109. **Field and Systematic Botany**—Analysis and classification of spring plant forms. Lectures Tuesday and Thursday at 9 o'clock. Laboratory, one afternoon. *Three hours, spring term.*

112. **Pedagogy**—Practical study of the methods of teaching botany. Lectures Monday, Wednesday and Friday at 9 o'clock. *Three hours, winter term.*

LABORATORY FEES IN BOTANY

A deposit of $2.00 is required for each laboratory course, with the exception of Botany 106, 107 and 107a, which are $5.00 each. Additional expense for supplies, if any, is met by the purchase of coupons.

RECOMMENDATION OF TEACHERS

In order to be recommended as a teacher of Botany the student should take the following courses in this department:

	Catalog No. of Course	Term Hours
General Biology	1	4
General Botany	1a and 2a	8
Systematic Botany	108 and 109	6
Pedagogy of Botany	112	3

CHEMISTRY

Professor Stafford Miss Hough Mr. Mason Professor Shinn

Students intending to make Chemistry their major subject should include in their lower division program the following courses in Physics, either 1, 2 and 3, or 4, 5 and 6; and in Mathematics courses 5 and 7. If possible they should also begin a foreign language, preferably German or French.

LOWER DIVISION

1a. **General Chemistry**—An introduction to the study of chemistry. Lectures Monday, Tuesday and Thursday at 11:00 o'clock; one laboratory period, Wednesday, Thursday or Friday afternoon, as may be arranged.

Course 1a will be repeated in the winter term if there is a sufficient demand. Professor Stafford.

Four hours, fall or winter term.

1b. **General Chemistry**—Continuation of Course 1a.

Four hours, winter or spring term.

1c. **General Chemistry**—Continuation of Course 1b.

Four hours, spring or fall term.

No credit will be given for less than two terms' work in Course 1.

3a. **Analytical Chemistry**—A course in qualitative analysis. Lecture Tuesday at 1:00 o'clock; two or three laboratory periods, Tuesday, Wednesday and Thursday afternoon. Professor Shinn.

Three or four hours, fall term.

3b. **Analytical Chemistry**—Gravimetric analysis, continuation of 3a.

Three or four hours, winter term.

3c. **Analytical Chemistry**—Volumetric analysis; continuation of 3b.

Three or four hours, spring term.

6a. **Advanced Inorganic Chemistry**—A course designed to follow the year of general chemistry. Professor STAFFORD.
Two or three hours, fall term.

6b. **Advanced Inorganic Chemistry**—Continuation of course 6a. *Two or three hours, winter term.*

6c. **Advanced Inorganic Chemistry**—Continuation of course 6b. *Two or three hours, spring term.*

UPPER DIVISION

105a. **Organic Chemistry**—Lectures Monday, Wednesday and Friday at 9:00 o'clock; one laboratory period, Monday or Friday afternoon. Professor SHINN. *Four hours, fall term.*

105b. **Organic Chemistry**—Continuation of Course 105a.
Four hours, winter term.

105c. **Organic Chemistry**—Continuation of Course 105b.
Four hours, spring term.

No credit will be given for less than two terms' work in Course 105.

108a. **Introduction to Physiological Chemistry**—A study of some chemical aspects of life processes, of interest especially to students preparing for the study of medicine, but open to all students who have had or are taking organic chemistry. Lectures, laboratory work and reports on assigned reading. Tuesday and Thursday at 9:00 o'clock. Professor SHINN. *Three hours, winter term.*

108b. **Introduction to Physiological Chemistry** — Continuation of Course 108a. *Three hours, spring term.*

112a. **Advanced Analytical Chemistry**—Laboratory, Tuesday, Wednesday and Thursday afternoons; occasional conference. Professor SHINN. *Two to four hours, fall term.*

112b. **Advanced Analytical Chemistry**—Continuation of Course 112a. *Two to four hours, winter term.*

112c. **Advanced Analytical Chemistry**—Continuation of Course 112b. *Two to four hours, spring term.*

116a. **Physical Chemistry**—Three lectures and one laboratory period . Professor STAFFORD. *Four hours, fall term.*

116b. **Physical Chemistry**—Continuation of Course 116a. *Four hours, winter term.*

116c. **Physical Chemistry**—Continuation of Course 116b. *Four hours, spring term.*

118a. **Applied Physical Chemistry**—Electrochemistry. Professor STAFFORD. *Hours as arranged, fall term.*

118b. **Applied Physical Chemistry**—Special topics to be determined by the interests of those enrolling. Professor STAFFORD. *Hours to be arranged, spring term.*

121. **Sanitary Chemistry**—The chemistry of water purification, sewage treatment, preservation of foods, etc. Professor STAFFORD. *Hours to be arranged, spring term.*

131. **Research and Thesis Laboratory**—Professor STAFFORD and Professor SHINN. *Hours by arrangement.*

GRADUATE DIVISION

200. **Advanced Theoretical Chemistry**—For graduate students only. *Hours to be arranged.*

202. **Research and Thesis Laboratory**—Professor STAFFORD and Professor SHINN. *Hours by arrangement.*

LABORATORY FEES IN CHEMISTRY

A deposit of $4.00 per term is required in all laboratory courses except Organic Chemistry, in which the deposit is $5.00.

ECONOMICS AND SOCIOLOGY

Professor YOUNG Professor CROCKATT Professor GILBERT
Professor ROBBINS Dean FOX

Students planning to make their major subject Economics and Sociology should include in their lower division selection of courses those numbered 1, 2 and 3, Economic and Social History of England and of the United States and the Principles of Economics.

LOWER DIVISION

1. **Economic and Social History of England**—This course is introduced with a sketch of the social and industrial evolution of mankind to the stage represented by the inhabitants of England at the time of the Saxon invasion. The nature of the social and industrial organization of the English people is traced through its successive modifications, down to the present time, and the influences affecting it identified. Industrial development on the continent is, at each stage, brought into comparison with that of the English people. Five sections in the fall term, repeated in the winter term. Professor CROCKATT. *Four hours, fall or winter term.*

2. **The Economic and Social History of the United States**—The development of the characteristic lines of agriculture, industry and commerce in the United States is studied, and the interaction between this economic development and the political and social institutions noted. Professor CROCKATT.

Four hours, winter or spring term.

3. **The Principles of Economics**—The principles that underlie the different economic relations and institutions are developed and applied. The elements in the more important economic problems are pointed out. Textbook, assigned readings and exercises. First two terms, at 8:00 and 11:00 o'clock. Professor GILBERT.

Four hours, fall and winter terms.

7. **Recent Economic Changes in England and United States**—A study first of the influence of American industrialism and German state industrialism on the making of modern England, with discussions of British imperialism, free trade, and the economic and social reconstruction of "Lloyd George" government.

Second part is a study of the recent national economic reorganizations and changes in United States, such as merchant marine, eight-hour day, immigration, federal reserve, farm loan, conservation, interstate commerce, and railroad transportation. Professor CROCKATT.

Four hours, spring term.

UPPER DIVISION

104. **The Principles of Sociology**—The influences and factors determining human life in association are studied. A comprehensive view of the social process is developed. The relations and the organization characterizing progressive society are identified, and their reactions on the mental life of the individual are investigated. Daily at 9:00 o'clock. Professor YOUNG.

Five hours, fall and winter terms.

105. **Labor Problems**—Treats of the conditions under which wage-earners work since the advent of the industrial revolution. Topics upon which especial emphasis will be placed are: Growth of trade unionism, strikes, lockouts, arbitration and conciliation, industrial accidents and disease, workmen's compensation, remedial legislation. Open to students who have completed either the Principles of Economics or Principles of Sociology. Tuesday, Wednesday and Thursday at 8:00 o'clock. Professor GILBERT.

Three hours, spring term.

108. **Principles of Ocean Transportation**—The history of the ocean carrier is studied as an introduction to the underlying principles of the present problems of the merchant marine and ocean traffic. The ocean transportation service, the organization of ocean carriers with their relations to one another and the public and government aid and regulation of ocean commerce and transportation are especially studied. Prequisities, Economic Histories and Principles of Economics. Professor CROCKATT. *Five hours, spring term.*

111. **Public Finance**—It is the aim of this course to ascertain principles of public expenditure, public revenue, budgetary legislation, financial organization, and public indebtedness. These principles will then be applied to concrete problems connected with corporation, railway, mortgage and insurance taxation, double taxation, income, personal property and inheritance taxes. Monday, Tuesday, Thursday and Friday at 10:00 o'clock. Professor GILBERT.

Four hours, fall and winter terms.

113. **Money, Banking and Economic Crises**—The principles of economics are applied to modern monetary systems, with the view of developing policies of improvement. The conditions attending the development of industrial and monetary crises are analyzed, and remedial measures considered. Daily at 11:00 o'clock. Professor GILBERT. *Five hours, spring term.*

115. **History of Economic Thought**—The interactions between the ideas pertaining to economic interests, and the conditions of economic life; also the relations between the economic thought and the philosophical speculations of successive epochs are traced. The existing schools of economic thought are defined. Monday, Wednesday and Friday at 9:00 o'clock. Professor GILBERT.

Three hours, spring term.

117. **Railway Economics**—A study of the transportation agencies as factors in the modern economic and social order, with special emphasis on the principles of rate-making and rate-regulations, service regulations, and railway finances. Daily at 11:00 o'clock. Professor YOUNG. *Five hours, winter term.*

118. **Economics of Business Organization**—A study of the development of the forms of business organization, the promotion and financing of modern enterprises, and their relation to the control of industry as to prices fixed and practices followed, and the distribution of wealth. Daily at 11:00 o'clock. Professor YOUNG.

Five hours, fall term.

120. **Progressive Democracy**—An analysis of the problem of eliciting the best thought and purpose of a political group through effective organization. The evolution of political opinion and conditions in the United States is drawn upon for basis of fact. Tuesday, Thursday and Friday at 10:00 o'clock. Professor YOUNG.
Three hours, fall term.

128. **Scientific City, District and State Planning and Development**—Methods of survey and analysis necessary to identify peculiar advantages and needs, and consequent advisable ideals and plans, are studied. This course involves systematic application in constructive effort of all the principles of the social sciences. Daily at 9:00 o'clock. Professor YOUNG. *Five hours, spring term.*

129. **Social Agencies**—This is a general course for those wishing to gain a knowledge of the causes of poverty, methods of caring for dependents and defectives, causes and prevention of crime, treatment of adult and juvenile offenders, and constructive measures bearing upon social maladjustment. Prerequisites, Principles of Economics and Principles of Sociology. Dean FOX.
Three hours, fall or winter term.

134. **Rational World Order**—An analysis will be made of our international order, to identify the forces that were making for world anarchy. The problem of world organization necessary for permanently progressive civilization will be studied. Tuesday, Thursday and Friday at 10:00 o'clock. Professor YOUNG.
Three hours, winter term.

135. **Democracy in Reconstruction**—The principles and procedure for reorganization in order that a permanently progressive democracy, with highest efficiency may be realized. Daily at 11:00 o'clock. Professor YOUNG. *Five hours, spring term.*

Courses on methods of work of social agencies will be provided. Courses giving preparation for different lines of social service adapted to the needs of communities in the Pacific Northwest, will be organized.

EDUCATION

Professor SHELDON Professor DEBUSK Professor GREGORY
Professor STETSON Professor FRENCH

It is the aim of this department to offer a group of courses which will acquaint the student with the results and methods of work in all the important departments of modern pedagogy. This work is fundamental to students in the School of Education. The state law stipulates 15 semester hours in Education as a part of the requirements for certification of high school teachers. Owing to the advanced nature of the courses, with the exceptions of Courses 51 and 52, students will not ordinarily be admitted to the classes in pedagogy until the beginning of the junior year. Students should consult with the Department of Education before planning courses leading into the teaching profession.

LOWER DIVISION

51. **Principles of Education**—An introduction to the general field of education. Treats of the following and related topics: Biological, psychological and sociological bases of education; educational aims, values and agencies; formal discipline; public school curricula and teachers' training courses. Not open to freshmen. Professors DEBUSK and GREGORY. *Fall or winter term.*

52. **History of Modern Education**—This course includes the reading and discussion of the fundamental books in modern pedagogy, such as Rousseau's Emile, Froebel's Education of Man, Spencer's Education, etc. Professor SHELDON.
Four hours, winter and spring terms.

UPPER DIVISION

103. **Educational Psychology**—A study of those topics most closely related to teaching. The original endowment of the individual, habit-building, memory, imagination, association, higher thought processes; laws of learning; the psychology of skill and of the instrumental subjects. Tuesday, Wednesday, Thursday and Friday at 8:00 o'clock. Professor DEBUSK. *Four hours, fall term.*

104. **Child Development**—The laws of growth; the relation between physical and mental growth; instinctive behavior and the methods of its modification; interests; the growth of the intellect. Tuesday, Wednesday, Thursday and Friday at 8:00 o'clock. Professor DEBUSK. *Four hours, winter term.*

105. **Secondary Education**—History, organization and administration of secondary education in America; training of secondary teachers. School management applied to secondary schools. In addition to the regular work of the course, the librarian of the University will present the topic of the high school library, the Department of Physical Training will present the hygienic problems of the high school, and outside lecturers will discuss the athletic and social problems of the high school. Pre-requisite for practice teaching in secondary subjects. Professors SHELDON and DEBUSK. *Four hours, fall and winter terms.*

107. **Observation of Teaching**—Observation work in University demonstration school and in other secondary schools. Problems of class and school management and technique of instruction. Reports and class discussions. Required of all prospective teachers and a pre-requisite for supervised teaching. Professor STETSON. *Three hours, given each term.*

110. **Civic Education**—Points of approach and subject-matter in the field of civics, economics and history, especially from the point of view of the junior high school. Professor FRENCH. *Three hours.*

112. **Supervised Teaching**—In University demonstration school and in local secondary schools. This work is controlled by the Department of Education. Applications for the course should be made to the director of teaching during the preceding term. All assignments to classes and to special supervisors will be made by the director of teaching who will also exercise general supervision over standards of work, credits, etc. Repeated each semester. Students will ordinarily enroll for two terms. Pre-requisite, 6 hours in Education, including observation of teaching and senior standing. Professor STETSON and special supervisors. *Two to five hours credit each term.*

GRADUATE DIVISION

208. **School Administration**—State, county, town, township and district organization. The school district and its problems of

organization, administration, supervision, instruction and measurement. Reorganization of county and state school administration. Professor GREGORY. *Four hour, winter term.*

209. **Experimental Education. Statistical Methods Applied to Education**—This is the method of statistical analysis. Quantitative measurements are made in the field of education. Much time is spent on the interpretation of educational statistics. Short cuts in computation are emphasized. Much drill in the use of statistical methods is given. Opportunity is offered for practice in the making of charts and graphs. Professor GREGORY. *Four hours, spring term.*

210. **The Organization of Common School Curricula**—Principles underlying the development of the course of study. The content of the course of study. The grading of the course of study. The course of study as a supervisory instrument. The elements of a good course of study. The state course of study in Oregon. Securing the materials of instruction. A critical study of some of the best courses of instruction. The work is a library course and a great many syllabi and references will be consulted and a wide acquaintance with the literature is expected. Professor GREGORY. *Four hours, spring term.*

213. **Hygiene of Learning**—A study of the laws of neural activity and of the conditions of the school environment that affect learning. Oxygen, fatigue, blood supply, temperature, humidity, etc. Hygiene of mental processes. The hygiene of school subjects. Monday, Wednesday and Friday at 9:00 o'clock. Professor DEBUSK. *Three hours, spring term.*

214. **Educational Hygiene**—The hygiene of the school plant in relation to mental and physical growth. The hygiene of growth. Health work in the schools. Monday, Wednesday and Friday at 9:00 o'clock. Professor DEBUSK. *Three hours, spring term.*

215. **Philosophy of Education**—Advanced aim and purpose of education, criticism of fundamental characteristics of present-day systems, consideration of the moral education movement, education from the standpoint of the individual, society and the species. Prerequisite: Education 51 and 52. Open only to seniors and graduates. Professor SHELDON. *Four hours, spring term.*

216. **Exceptional Children**—The nervous child and its education. Causes of retardation. The delinquent. The defective. The social and educational treatment of types of exceptional children. Monday, Wednesday and Friday at 9:00 o'clock. Professor DEBUSK.

Three hours, winter term.

217. **Mental and Physical Tests**—The method and technique of the examination of the school child. A study of the literature of tests. Methods of testing intelligence. The examining and diagnosis of the common defects of the school child. Monday, Wednesday and Friday at 9:00 o'clock. Professor DEBUSK.

Three hours, fall term.

218. **Social Education or Educational Sociology**—A study of education in its social aspects, including primary social groups; the school as a social group, psychology of leadership institutions and personality. Students will be asked to observe, describe and diagnose school situations arising in the field of discipline, school societies, play ground and amusement problems. (Open only to seniors and graduate students). Professor SHELDON.

Four hours, fall term.

219. **Education and Ethics**—A consideration of education from the point of view of the highest individual development. Includes a study of systems of moral instruction in France, Japan and elsewhere. The function of various social institutions in molding character. This course continues and supplements 218. (Open only to seniors and graduates). Professor SHELDON.

Four hours, winter term.

220. **Educational Research**—Problems in Educational Hygiene. Hours to be arranged. Professor DEBUSK.

221. **History of Education in America**—Lectures, reports and discussions. Knowledge of American History a pre-requisite. Professor SHELDON. *Four hours, winter and spring term.*

222. **Education Club and Seminar**—Reports of current educational meetings, book reviews, discussion of special topics investigated by members. Professor SHELDON. *Two hours, each term.*

ENGLISH

Rhetoric and American Literature

Professor Bates Professor Thacher Professor Parsons
Professor Burgess Professor Perkins Miss Turney

REQUIREMENTS IN ENGLISH

Every student upon entering the lower division of the University shall take a three-hour examination in written English. Upon the basis of this examination, the upper fourth of the students shall be excused from required work in freshman composition; the remaining three-fourths, including any who failed to take the examination, must complete a prescribed course in English Composition, given three times a week for from one to three terms, depending upon their rank in the examination and in their class work.

At the middle of the second term of each year, the Registrar shall send to each member of the faculty a list of the sophomore students. Each member of the faculty shall indicate after each sophomore's name whether his English is deficient or satisfactory and return the report to the Registrar's office, and if three departments report any one student deficient in English, that student shall be required to complete satisfactorily a further prescribed course of three hours in English composition given in the third term of the sophomore year.

REQUIRED ENGLISH COMPOSITION EXAMINATION

1. Upon the request of the principal of the school, or of any student wishing to take the examination, the prescribed examination in English composition may be given in any accredited school, upon appointed days announced in the University catalog. This examination shall be conducted under the supervision of the principal, who shall certify that it has been conducted in proper form.

2. Supplementary examinations shall be conducted at the University during Thursday afternoon of registration week, and during the afternoon of the day, not a holiday or Sunday, immediately preceding the registration day of each of the other terms. The

instructor in charge of the examination shall give each student taking the examination a certificate of attendance.

3. Students failing to take the examination as prescribed in the two preceeding sections, may be permitted to register upon the payment of a late registration fee of $2.00, but they shall be required either to register for English composition, or to take the examination before the opening of the next term.

4. The rules regarding the exemption of students from English composition shall be applied to each examination group separately.

5. The result of the supplementary examination in English composition shall be posted not later than 8:00 a. m. of the day set for the registration of students entering the lower division.

Students planning to make Rhetoric their major subject should include in their lower division program Courses 4 and 5 in Magazine Writing and Narration and also Course 59 in American Literature.

LOWER DIVISION

1. **English Composition**—A study of the elements of effective prose, with analysis of illustrative extracts; constant training in writing and frequent consultations. Textbook: Lomer and Ashmun's Theory and Practice of Writing English. Required for freshmen. Tuesday, Wednesday and Thursday at 8:00 o'clock; Monday, Wednesday and Friday at 9:00 o'clock; Tuesday, Thursday and Friday at 10:00 o'clock; Monday, Tuesday and Thursday at 11 o'clock. Professor THACHER, Professor BURGESS, Professor PERKINS, and Miss TURNEY. *Three hours, each term.*

4. **Magazine Writing**—Based on study of Atlantic Monthly, Nation, New Republic and other magazines. Professor BURGESS. *Two hours, each term.*

5. **Narration**—A study of common types of prose narrative; their historical development and the principles underlying the writing of them. Reading and analysis of examples of types and writing of reviews and brief narratives. For exempted freshmen and sophomores. Monday, Wednesday and Friday at 1:00 o'clock. Miss TURNEY. *Three hours, winter and spring terms.*

6. **Commercial English**—Instruction and practice in business letter writing of all kinds—circulars, prospectuses, etc. Monday, Tuesday and Thursday at 11:00 o'clock. Professor THACHER.

Three hours, winter term.

11. **Short Story Writing**—For those who in previous courses have evidenced an aptitude for writing the short story. Typical short stories, both classics and those from current periodicals, are analyzed, and the actual production of short story work is undertaken. In the latter part of the course special attention is given the standards and policies of contemporary magazines, and an attempt is made to produce marketable work. Monday and Friday at 8:00 o'clock. Professor THACHER. *Two hours, each term.*

15. **Elementary Playwriting**—Study of primary dramatic principles; writing of simple dialogues, sketches and scenarios. Tuesday and Thursday at 2:00 o'clock. Professor BATES.

Two hours, winter and spring terms.

59. **American Literature**—Study of American literature from its beginning to the present day. Lectures and assigned readings. Monday, Tuesday and Thursday at 11:00 o'clock. Professor BURGESS.

Three hours, each term.

UPPER DIVISION

113. **Technique of Poetry**—Study of the standard metrical forms and of modern free verse; practice in actual versification. Tuesday and Thursday at 9:00 o'clock. Professor BATES.

Two hours, each term.

114. **Advanced Writing**—A course of seminar character. Open only to advanced students who desire to become professional writers. Tuesday and Thursday at 2:00 o'clock. Professor THACHER.

Two hours, each term.

115. **Technique of Drama**—Advanced course in playwriting. Composition of one-act, two-act, and three-act plays. Hours to be arranged. Professor BATES. *Two hours, each term.*

121. **Anglo-Saxon Literature in Translation**—The great works of Anglo-Saxon poetry and prose will be read in standard translations; Beowulf, the poetry of Caedmon and Cynewulf, the prose of Alfred and Aelfric. The readings will be accompanied by lectures giving the student a general knowledge of the Anglo-Saxon basis of the English language. Monday, Wednesday and Friday at 9:00 o'clock. Professor PERKINS. *Three hours, spring term.*

122. **Anglo-Saxon**—Grammar and translation of selected passages in prose and poetry. The relationship between Angla-Saxon and living cognate languages will be carefully studied and traced. A knowledge of German will be extremely helpful. Professor PERKINS. *Three hours, each term.*

124, 125. **English Literature from the Beginning to the Sixteenth Century**—A study of some of the more important early and middle English writers, read mainly in modern English texts. Beowulf, Bede, Caedmon, Cynewulf, The Arthurian Cycles, Langland, Chaucer, Gower and others. Professor PERKINS.
Three hours, fall and winter terms.

126 **Anglo-Saxon**—Grammar and reading of selections. Bright's Anglo-Saxon reader will be used. Professor PERKINS.
Three hours, winter term.

127. **Chaucer**—As much of Chaucer's work is read as time permits, with careful attention to his sources of material, poetical forms, pronunciation and grammar. Professor PERKINS.
Three hours, spring term.

128. **History of the English Language**—The development of the English language from the Anglo-Saxon period to the present time. The historical basis of English grammar, spelling, pronunciation, and usage. Monday, Tuesday and Thursday at 11:00 o'clock. Professor PERKINS. *Three hours, fall term.*

152. **Teachers' Course**—Composition and American Literature. Required of all seniors who expect to teach English. Tuesday and Thursday at 2:00 o'clock. Professor BATES.
Two hours, fall and winter terms.

166. **Emerson**—The influence of Plato, Goethe, Coleridge, Carlyle and others upon Emerson; parallels with Marcus Aurelius, Epictetus; the effect of Emerson upon modern thought. Reading from poems, essays, Representative Men and English Traits. Professor BURGESS. *Three hours, winter term.*

171. **Criticism**—This course is required for juniors majoring in Journalism. It affords practice in the writing of musical, dramatic, art, and literary criticism. Thursday and Friday at 10:00 o'clock. Professor PARSONS. *Two hours, each term.*

172. **Contemporary American Poetry**—Recent regular verse, free verse, polyphonic prose. Students will read with a view to understanding the work of the period, and also with a view to collecting, editing and presenting the work of their especially assigned authors. Professor BURGESS. *Three hours, spring term.*

174. **Contemporary American Fiction**—A study of the best American fiction since 1900. Monday, Tuesday and Thursday at 11:00 o'clock. Professor PERKINS. *Three hours, spring term.*

175. **Edgar Allan Poe; a Study of Romantic Pessimism**—The background of Romanticism; Poe's life and temperament; his relations with other American writers; his work in poetry, the short story and criticism; his influence on later Romanticism. Lectures and discussions. Monday, Wednesday and Friday at 2 o'clock. Professor BATES. *Three hours, winter term.*

176. **Walt Whitman; a Study of Romantic Optimism**—Transcendentalism; the ideals of democracy; Whitman's great program; his degree of attainment; his influence on the literature of today. Lectures and discussions. Professor BATES.
Three hours, spring term.

177. **Theory and Practice of Criticism**—A course, primarily designed for seniors, affording a comparative study of critical theory and the application of theory to special problems. Friday, 8:00 to 10:00 o'clock. Professor PARSONS. *Two hours, spring term.*

178. **American Philosophy**—Fiske, James, Royce, Santayana, and others. Professor BATES. *Three hours, winter and spring term.*

180. **Literature of the War**—A study of the most significant literature in Europe and America which either deals directly with the war or has grown out of it. Professor BATES.

Three hours, each term.

181. **Principles of Appreciation**—This course will be devoted to a consideration of the best examples of literature and art, and will include practice in critical writing. Thursday and Friday at 2:00 o'clock. Professor PARSONS. *Two hours, fall and winter terms.*

ENGLISH LITERATURE

Professor HOWE Professor WATSON Miss DOBIE Miss BELL

The choice of courses in this department should vary according to the purpose of the student, whether general culture, or professional preparation for teaching or for library work. Students planning to make English Literature their major subject should include in their lower division program the Outlines course and Wordsworth. It is desirable to add a term of Shakespeare, if possible. The course in the economic and social history of England is very useful as a background to major work in English Literature.

LOWER DIVISION

1, 2, 3. **Outlines of English Literature**—From Edmund Spenser to the present. A laboratory course, in which the student will read the literature, instead of reading about it. The student will be led, as far as possible, to form a conception of each epoch from his own reading of representative authors. This work is supplemented by lectures and interpretative readings. First term, sixteenth and seventeenth century authors. Second term, eighteenth century authors, and those of the first quarter of the nineteenth century. Third term, from 1830 to the present. Courses in sequence, but may be taken independently. Monday, Wednesday and Friday at 2:00 o'clock. Professor HOWE. *Three hours, each term.*

25. **Wordsworth**—A study of the best poems of the author, in such order as to illustrate the power, scope, and characteristic beauty of this poet. Monday, Tuesday and Thursday at 11:00 o'clock. Professor HOWE. *Three hours, spring term.*

30. **William Morris**—A study of the life and writings, both prose and verse. Monday, Tuesday and Thursday at 11:00 o'clock. Professor HOWE. *Three hours, winter term.*

50, 51, 52. **Shakespeare**—Study of the important historical plays, comedies and tragedies. Courses in sequence, but may be taken separately. Monday, Wednesday and Friday at 9:00 o'clock. Miss DOBIE. *Three hours, each term.*

UPPER DIVISION

110. **Shelley**—His more important works in their order as written, with attention to his importance both as philosopher and as poet. Monday, Tuesday and Thursday at 11:00 o'clock. Professor HOWE. *Three hours, fall term.*

115. **Browning**—The Ring and the Book and the important shorter poems. The aim is to give the student facility in reading Browning understandingly, and to acquaint him with the author's outlook on life. Tuesday, Wednesday and Thursday at 8:00 o'clock. Miss DOBIE. *Three hours, spring term.*

120. **The Romantic Poets**—Blake, Scott, Coleridge, Southey, Wordsworth, Byron, Shelley, Keats, Hunt, Landor. Tuesday, Wednesday and Thursday at 8:00 o'clock. Miss DOBIE. *Three hours, fall term.*

130. **The Victorian Poets**—Tennyson, Browning, Barrett-Browning, Rossetti, William Morris, Swinburne, Matthew Arnold. Tuesday, Wednesday and Thursday at 8:00 o'clock. Miss DOBIE. *Three hours, winter term.*

135. **Milton**—Paradise Lost entire, and the minor poems. Monday, Tuesday and Thursday at 11:00 o'clock. Professor WATSON. *Three hours, fall term.*

136. **The Contemporaries of Shakespeare**—The important Elizabethan and Jacobean dramatists. Monday, Tuesday and Thursday at 11:00 o'clock. Professor WATSON. *Three hours, winter term.*

140, 141, 142. **English Prose Writers of the Eighteenth Century**—Gibbon, Burke, Samuel Johnson, Boswell, Hume and others. Professor HOWE. *Three hours, each term.*

145, 146, 147. **English Prose Writers (not novelists) of the Nineteenth Century.**—De Quincey, Lamb, Hazlitt, Carlyle, Ruskin, Mill, Huxley, Matthew Arnold, Pater. Courses in sequence, but may be taken separately. Monday at 8:00 o'clock. Thursday at 9:00 o'clock; Friday at 11:00 o'clock. Miss DOBIE.
Three hours, each term.

155, 156, 157. **Living English Writers**—Kipling, Shaw, Wells, Arnold Bennett, Galsworthy, Chesterton, Granville Barker, St. John Hankin, Dunsany, Davies, W. H. Hudson; poetry, essay, short story, drama, and novel. Courses in sequence, but terms may be taken separately. Tuesday, Wednesday and Thursday at 8:00 o'clock. Professor HOWE. *Three hours; each term.*

160, 161, 162. **Contemporary European Literature**—English in its relation to other European literatures, to Ibsen, the Russians, Maeterlinck, and others. Tuesday, Wednesday and Thursday at 8:00 o'clock. Professor HOWE. *Three hours, each term.*

170. **Seminar**—This course, planned for honor students and intending teachers, is advised for junior year. Monday, Wednesday and Friday at 3:00 o'clock. Professor HOWE.
Three hours, fall and winter terms.

175. **Teaching of English Literature**—Lectures, papers and conferences. Required of all who expect to teach English. Should be taken in junior year, preparatory to practice teaching in senior year. Daily at 3:00 o'clock. Professor HOWE and Miss DOBIE.
Five hours, spring term.

180. **The Philosophical Foundations of English Literature**—Selections from Bacon, Hobbes, Locke, Berkeley, Hume, the Deists, the Economists, the Utilitarians, the Evolutionists and the Pragmatists will be read by the class. Tuesday, Thursday and Friday at 10:00 o'clock. Professor HOWE. *Three hours, each term.*

185, 186, 187. **Representative Nineteenth Century Novelists**—Scott, Jane Austen, Dickens, Thackeray, George Eliot, Meredith, Hardy, and others. These authors will be taken each for one term, and the whole course can be finished only in two or perhaps three years of term courses, each complete in itself. Monday, Tuesday and Thursday at 11:00 o'clock. Professor HOWE.
Three hours, each term.

190. **English Poetry**—The classic shorter poems of the literature. Monday, Wednesday and Friday at 1:00 o'clock. Professor HOWE. *Three hours, winter term.*

195. **The English Novel, Its Evolution and Scope**—Lectures, with collateral reading. Tuesday, Thursday and Friday at 10 o'clock. Professor HOWE. *Three hours, each term.*

GEOLOGY

Professor SMITH Mr. SMYTHE Professor PACKARD

The science of Geology contributes to nearly every branch of human knowledge and draws upon all the natural sciences. Though one of the youngest of the sciences it has become a sort of clearing house for its sister sciences, not replacing but reinforcing and correlating them, and nearly every activity of man is found to be directly or indirectly affected by it.

Aside from its contribution to liberal education the science of geology prepares one for the following vocations: 1. Economic Geologist; 2, Engineering Geologist; 3, Museum worker (Poleontologist, Mineralogist, etc.); 4, Government or State Geologist, assistant, aide; 5, Teacher. The pecuniary rewards in the first two of these are usually high and sometimes exceptional among professional fees. No

line of professional work, perhaps, offers such opportunities for foreign travel. These opportunities promise greatly to increase as a result of the problems of reconstruction arising in all parts of the world.

The department at Oregon, besides training geologists, offers courses which are essential to effectual work in engineering, architecture, science teaching and economics and helpful in journalism, commerce, law, etc.

For the study of the ancient faunas and floras of the State of Oregon, the department is particularly fortunate in having the Condon Collection, which constitutes the life work of the pioneer geologist of the state, Dr. Thomas Condon. During the past few years important additions in the way of material and apparatus have been made to the department.

For the sake of economy and to avoid duplication of work, this department offers no courses in mining; but a two-year course in premining work, in which the student may be prepared for his more specialized work in the last two years is arranged for those who apply.

For more complete statement of the work in this department and for a description of the collections, see University of Oregon Publications (new series), Volume 1, No. 3. (Guide to the Condon Geological Museum).

Students planning to make Geology their major subject should include in their lower division program Geology 1, Geology 4, Chemistry 1, Mathematics 1 and 1c, General Biology and one year of either Spanish, French or German.

LOWER DIVISION

1. **General Geology**—A general outline of the whole subject. Illustrated lectures, laboratory work in the Condon Museum, field trips, and collateral reading. Lectures Monday, Tuesday and Thursday at 11:00 o'clock. One laboratory period, optional, Tuesday or Thursday.

(a) Physical and Dynamic Geology; fall term.
(b) Economic Geology; winter term.
(c) Historical Geology; spring term.

In the winter term the economic geology course will take up the occurrence, mining and utilization of coal, iron, oil, gold, copper, building stones, precious stones, etc. Those who have had high school geology or physical geography may enter.

Three or four hours, each term.

4. **General Mineralogy**—A general study of Crystallographic and Physical and Chemical Mineralogy, followed by Determinative Mineralogy.

The objects of this course are:

(a) Rapid determination of the more common minerals.

(b) Practice in the determination of the less common mineral species.

(c) A knowledge of the economic minerals. Prerequisite: General chemistry. Hours to be arranged. Winter term, two lectures and one laboratory period. Spring term, one recitation and two laboratory periods. *Three hours, winter and spring terms.*

5. **Economic Geography—A** study of geography in its broadest aspects, its aid in the interpretation of history, the geographic factors controlling commercial relations of the various nations with an intensive study of the more important countries, particularly of the United States and its dependencies. Special attention will be given to the study of the Pacific ocean and the countries bordering thereon. Illustrated lectures, collateral reading in the current standard geographical journals. Monday and Wednesday at 2:00 o'clock. Additional work in laboratory or library.

Three hours, each term.

6. **Petrology**—An introduction to the study of rocks by means of hand specimens, following Pirsson's "Rocks and Rock Minerals." Pre-requisite: General Mineralogy. One laboratory period and one lecture. *Hours to be arranged.*

8. **Paleontology**—This course gives a general survey of the evolution of life and deals with the principal theories of geological biology. The laboratory work consists of a study of the main groups

of recent invertebrates, and comparisons with fossil specimens from the Museum. The lecture course, (8a) may be taken separately.

8a. Lecture course. *Two hours, winter term.*

8b. Laboratory courses. Two laboratory periods per week. *Two hours, winter term.*

9. **Geologic History of Man**—A general survey of man's early development and distribution as interpreted from a study of fossil human remains, implements and works of art. Certain topics such as biologic considerations, will be treated by specialists from other departments. *Three hours, fall term.*

10. **Geology of Structural Materials**—A short course, designed especially for students in Architecture, in the geology and mineralogy of structural materials. Open to freshmen. *Two hours, fall and winter terms.*

11. **Field Astronomy**—This course will be given as the introductory part of the course in Field Geology for advanced students in Geology. The time will be devoted largely to such operations as the determination of latitude, longtitude and azimuth, and also some instruction in the measurements of base lines, primary control by means of triangulation and practice in the use of the plane table. Professor McAlister. *Two hours, fall or spring term.*

UPPER DIVISION

101. **Advanced Geology**—Hours and work to be arranged to suit the needs of students applying.

102. **Advanced Economic Geology**—The geology of the valuable non-metals and metals including their occurrence, association and genesis. In the non-metals, particular attention will be paid to the fuels and to materials of construction. Under metals will be con-

sidered the methods employed in prospecting and the developing of ore bodies. Reasons for and methods of conservation of the various mineral resources will also be given special emphasis. Prerequisites: Geology 1, Chemistry 1, and Mineralogy 4.

Hours to be arranged.

(a) Metallic Mineral Products. *Fall term.*

(b) Non-Metallic Mineral Products. *Winter term*

(c) Metals. *Spring term.*

103. **Practical Oil Geology**—A study of the geologic principles affecting the petroleum industry with a survey of the principal oil fields and a consideration of field methods employed in their development. Wednesday and Friday at 11:00 o'clock.

Four hours, spring term.

105. **The Topography and Physiography of the United States and Particularly of Oregon**—This course will be a semi-popular treatment of the subject adapted especially to the needs of students of Commerce, History, Education and Military Science. One lecture and one laboratory and general discussion period. Hours to be arranged. Open to both lower and upper division students.

105a. **Physiography (Teachers' Course)**—An advanced course in Physiography with special emphasis upon the practical problems confronting a teacher of Physical Geography.

Prerequisite: General Geology a, b, c. Two lecture and recitation hours, and one laboratory period. *Three hours, spring term.*

106a. **Optical Mineralogy**—The study of rock minerals by means of thin sections and the petrographic microscope. Special emphasis is laid on the determination of opaque and other economic minerals. Prerequisite: Mineralogy, Geology, Chemistry and Physics. One laboratory period. *Two hours.*

106b. **Optical Petrology**—The continuation of 106a. This course takes up the study of rocks of all kinds and their identification by means of thin sections. Laboratory work in the making of thin sections. *Two hours.*

107. **Field Geology**—A general course in geologic mapping and survey methods. The major portion of the time will be devoted to the topographic and geologic mapping of an assigned area. Prerequisites: Geology 1, 11, 102 and 4. Saturday, 8:00 to 12:00 o'clock. A written report on the area mapped will be required in this course. *Two hours, spring term.*

108. **Advanced Paleontology**—Special work assigned to suit the needs and advancement of the students applying, using Zittel-Eastman's Textbook of Paleontology. Zoology a prerequisite. *Hours to be arranged.*

109. **Vertebrate Paleontology**—Special work in Vertebrate Paleontology will be given to those applying, provided they have had the required preparation in Zoology. *Two hours.*

GRADUATE DIVISION

201. **Seminar**—Open to advanced major students of this and related departments for the consideration of research material and a review of the current technical literature. Problems in the Geology of Oregon will be considered. *One hour a week.*

202. **Graduate Courses by Arrangement.**

GERMANIC LANGUAGES AND LITERATURE

Professor SCHMIDT Professor THORSTENBERG

Students contemplating work in German may enter any course for which they are qualified. In case of doubt on the part of the students, members of the German faculty should be consulted.

The aim of the instruction in the department is primarily to enable students to use modern German with facility in reading, writing, and, as far as practicable, in speaking, and to acquaint them with the masterpieces in German literature.

A knowledge of German will be found useful for the following reasons:

1. Our foremost educational institutions giving advanced degrees (including medicine) require a reading knowledge of German for the attainment of such degrees.

2. The unquestioned importance of a knowledge of the language in the pursuit of science (such as Chemistry, Physics, Biology, etc). German is acknowledged by a British Government report of recent date as "perhaps the first language from the point of view of information, as a key to science and large business enterprises, etc."

3. A knowledge of German is required by the American Government in the Consular service.

4. To meet the need of students from Oriental countries, (China, Japan, etc.) coming to our shores and desiring civil service positions in their own country, where a reading knowledge of German is required of them by their Government.

5. The purely practical consideration of enabling our young men and women effectively to meet industrial and commercial competition.

Opportunity is also given for graduate courses in Germanic languages. These are intended especially for students who desire to make the teaching of these languages their profession, or who expect to take an advanced degree in them. Careful attention is given to the linguistic as well as to the literary training of the students, aiming at a comprehensive insight into the historical growth of the Germanic languages and literature.

I

German Language and Literature

LOWER DIVISION

1. **Elementary German** — The elementary course comprises: Vos's Essentials of German (Henry Holt), new edition; and Huss's German Reader (D. C. Heath); German Composition, Translation of Easy Prose and Poetry. Special attention is paid to systematic training in pronunciation. The reading of about 175 pages of graduated texts from a reader is required. Huss's German Reader is used. In addition to this three or four of the following selections will be read: Storm's Immensee, Heyse's L'Arrabbiata, Volkmann's Kleine Geschichten, Maerchen und Erzaehlungen, Seidel's Maerchen, Zschokke's Der Zerbrochene Krug, etc. Daily at 9:00 and 11:00. Professor Schmidt, Professor Thorstenberg. *Five hours, each term.*

2. **Intermediate German**—Review of grammar, conversation and composition. Reading of narrative prose and easy plays. Intended for those who began German in the second or third term in the University, or who had only one year in high school. Credit in the course is estimated wholly on this basis. Daily at 8:00.

Five hours, each term.

3. **Advanced German**—During the second year the work comprises advanced German Grammar and Composition, Syntax, German conversation (based upon Vos's Material, or some other method) throughout the year. Material to be read is selected from the following list: Heyse's Das Maedchen von Treppi; Baumbach's Die Nonna; Wildenbruch's Das edle Blut; Seidel's Leberecht Huehnchen; Frenssen's Peter Moor; Leander's Traeumereien; Keller's Das Faehnlein der sieben Aufrechten; Meyer-Foerster's Karl Heinrich; Freytag's Die Journalisten; Lessing's Minna von Barnhelm, Schiller's Wilhelm Tell; Goethe's Hermann und Dorothea. The class is expected to read two or three stories and two or three plays during the year. Two divisions, Monday, Tuesday, Thursday and Friday at 9:00 and 10:00 o'clock. Professor Schmidt and Professor Thorstenberg.

Four hours, each term.

4. **Scientific German**—This course is recommended to students who are taking or plan to take special courses in natural science or in Medicine. Students desiring to enter this course should consult Professor Thorstenberg. Tuesday, Thursday and Friday at 10:00 o'clock. Professor THORSTENBERG. *Three hours, each term.*

UPPER DIVISION

101. **Classical German**—Open to students who have had two years of German. Some works of Goethe, Schiller, Lessing, Kleist, Grillparzer, etc.; will be read. Outline of History of German Literature by Robertson. Brief lectures in German or English, based upon the above texts, are given from time to time in this course. Tuesday, Wednesday and Thursday at 8:00 o'clock. Professor SCHMIDT. *Three hours, each term.*

102. **German Fiction and Contemporary Literature**—During the year some of the following works will be read: Sudermann's Der Katzensteg; Keller's Kleider Machen Leute; Meyer's Juerg Jenatsch; Wildenbruch's Der Letzte; Riehl's Burg Neideck, Der Fluch der Schoenheit; Frenssen's Joern Uhl, etc. Outside reading and papers on German Literature will receive special attention in this course. Occasional lectures on contemporary writers are given. Monday, Tuesday and Thursday at 11:00 o'clock. Professor SCHMIDT. *Three hours, each term.*

103. **Modern German Drama**—Some of the following dramas will be read: Fulda's Der Talisman or Das Verlorene Paradies; Wildenbruch's Harold, Hauptmann's Die Versunkene Glocke; Ernst's Flachsmann als Erzieher; Sudermann's Johannes or Heimat; etc. Monday, Wednesday and Friday at 9:00 o'clock. Professor THORSTENBERG. *Three hours, each term.*

104. **German Poetry**—Poems of Goethe, Schiller, Uhland, Heine, etc., will be read. Hours to be arranged.
Two hours, winter and spring terms.

105. **Goethes' Faust**—Part I with commentary. Wednesday and Friday at 11:00 o'clock. Professor SCHMIDT.
Two hours, fall and winter terms.

106. **Goethe's Faust**—Part II with commentary.
Two hours, two terms.

107. **Heine's Prose**—Die Harzreise; Die Romantische Schule, and other selections will be read. Hours to be arranged.
Two hours, fall and winter terms.

108. **Historical and Philosophical German**—This course consists of the rapid translation of modern historical, philosophical and economic German. It is especially designed for those students who wish to acquire a sufficient knowledge of the language to enable them to read German books on history, philosophy, etc. The matter to be read is selected from such works as Riehl's Kulturgeschichtliche Novellen; von Sybel's Kleine Historische Schriften; Freytag's Bilder aus der deutschen Vergangenheit; Seiler, Die Heimat der Indogermanen; Schiller's Geschichte des dreissigjaehrigen Krieges; Haeckel's Weltraetsel; Eucken's Der Sinn des Lebens (1908), or Die Lebensanschauungen der grossen Denker (1911) etc. Hours to be arranged.

109. **Commercial German**—The purpose of this course is to make the student acquainted with the elements of commercial German and to widen his commercial vocabulary by means of reading texts dealing with German business customs and institutions. The course is recommended to students who wish to devote some time to the study of German commercial correspondence, business forms, documents, newspaper articles and advertisements. Only those students who have had at least two years of German will be admitted to this course. The text to be used will be Kutner's Commercial German.
Two hours, one term.

110. **Teaching of Modern Languages**—Discussion of methods of teaching German, French and Spanish; examination of texts. Open to juniors and seniors. Required of students who wish to be recommended as teachers of German, French or Spanish in the high schools of the state. Hours probably Wednesday and Friday at 11:00 o'clock. Third hour to be arranged after class has met. Professor SCHMIDT. *Three hours, spring or fall term.*

111. **Advanced German Composition**—Required of all students who wish to teach German. No credits allowed unless two terms are taken. Tuesday and Thursday at 2:00 o'clock.

Two hours, each term.

112. **German Conversation**—Open to all students who have had two years of German. No credits allowed unless two terms are taken. Tuesday and Thursday at 1:00 o'clock.

Two hours, each term.

113. **History of German Literature**—Lectures in English. Outside reading and papers on assigned topics will be required Monday and Friday at 8:00 o'clock. Professor SCHMIDT.

Two hours, each term.

114. **The Nineteenth Century Novels**—Freytag's Soll und Haben, or Rittmeister von Alt-Rosen; Meyer's Juerg Jenatsch; Sudermann's Der Katzensteg; Frenssen's Joern Uhl; Storm's Der Schimmelreiter; Riehl's Kulturgeschichtliche Novellen; Paul Heyse's Das Glueck von Rothenburg; Scheffel's Ekkehard; Ludwig's Zwischen Himmel und Erde; Dahn's Ein Kampf um Rom. In addition to this, suitable selections from Ganghofer, Rosegger, Auerbach, Ebner-Eschenbach, Spielhagen and others will be assigned for outside reading. Professor SCHMIDT. *Three hours, each term.*

GRADUATE DIVISION

In so far as the demand will justify the formation of classes the department will offer the following courses:

201. **Middle High German** — Michels Mittelhochdeutsche Grammatik, 1910; Henrici, Proben der Dichtungen des Mittelalters, Berlin, 1898; Selections from Nibelungenlied; Walter von der Vogelweide; Parsifal; Lexer, Mittelhochdeutsches Taschen-Woerterbuch. Hours to be arranged. *Two hours, two terms.*

202. **Old High German**—Braune's Althochdeutsche Grammatik, and the same author's Althochdeutsches Lesebuch (4th edition);

Muellenhoff and Scherer's Denkmaeler Deutscher Poesie und Prosa (3rd edition); Behaghel's Historical Grammar of the German Language.

203. **Gothic and the Elements of Comparative German Grammar**—Braune, Gotische Grammatik, 4. Auflage, Halle, 1895; Heyne's Ulfilas, 9. Auflage, von F. Wrede, Paderborn, 1896; Streitberg's Urgermanische Grammatik. This course is required for advanced degrees in English Philology.

204. **History of German Literature of the Nineteenth Century**—With special study of the classic periods of the twelfth and eighteenth centuries. Scherer's Geschichte der deutschen Literatur, Franke's History of German Literature are used as textbooks. Papers on assigned topics will be required.

205. **Physiological Phonetics**—The sounds of English, German and French. Grandgent, German, and English sounds (Boston, Ginn & Co., 1892); Ripman's adaptation of Vietor's Kleine Phonetik (London, J. M. Dent & Co., 1899); Kleines Lesebuch in Lautschrift von Vietor; Sweet, A Primer of Phonetics (Oxford, Clarendon Press, 1890); lectures. Each student will make a special study of his English vowels. *Two hours, one term.*

Scandinavian Language and Literature

Professor Thorstenberg

The courses in this department are designed to lay the basis for a practical reading knowledge of the Scandinavian languages; to familiarize the students with some of the principal works of representative modern Scandinavian writers, and to afford some insight into the life and culture of the Scandinavian peoples.

121. **Elementary Norwegian (Dano-Norwegian)**—Principles of grammar and the reading of easy prose. The texts used comprise Olson's Norwegian Grammar and Reader, or Holvik's Beginner's Book in Norse; Bjoernson's Synnoeve Solbakken, or En glad Gut; Lie's Fortællinger; Kielland's Novelletter. Monday, Wednesday and Friday at 2:00 o'clock. *Three hours, each term.*

122. **Elementary Swedish**—Principles of grammar and the reading of easy prose. The texts used comprise: Elmquist's Swedish Grammar, or Vickner's Swedish Grammar; Lagerloef's En Herrgardssaegen; Geijerstam's Mina Pojkar; Nyblom's Det ringer. Monday, Wednesday and Friday at 2:00 o'clock.

Three hours, each term.

123. **Scandinavian Literature (conducted in English)**—Works of Bjoernson, Ibsen, Lie, Kielland, Tegner, Rydberg, Lagerloef, Strindberg, etc., in standard translations, will be read and discussed. The course includes supplementary lectures on the history of the literature in general. Tuesday and Thursday at 9:00 o'clock.

Two or three hours, each term.

In so far as the demand will justify the formation of classes the following courses will be offered:

124 and 125. **Advanced Norwegian or Swedish — S**tudy of works, in the original, of representative Scandinavian authors, supplemented by advanced prose composition and conversation. Hours to be arranged. *Two hours, fall and winter terms.*

In order to be recommended as a teacher of German, students should take the following in this department:

	Catalog No. of Course	Term Hours
Advanced German	3	12
German Classical Drama	101	9
and either		
German Fiction and Contemporary Literature	102	9
or		
The Nineteenth Century Novel	114	9
or		
Modern German Drama	103	9
in addition to		
The Teaching of Modern Languages	110	4
German Conversation	112	4
and		
Advanced German Composition	111	4

GREEK LANGUAGE AND LITERATURE

Professor STRAUB

Students who have had two or three years of Greek may enter the second or third term of the third or fourth year. Students may also enter Course 17 at the beginning of the second term.

LOWER DIVISION

1. **Elementary Greek**—Gleason's Greek Primer, daily at 9:00 *Five hours, fall term.*

2. **Elementary Greek**—Continued as in 1. *Five hours, winter term.*

3. **Xenophon's Anabasis**—Harper and Wallace, Goodwin's Greek Grammar. Daily at 9:00 o'clock. *Five hours, spring term.*

The aim of the first year is quality, not quantity. For this reason, the drill in Greek inflections and the common constructions is made as thorough as possible. In addition, every effort is made to increase the student's vocabulary. The "Word List" in Harper and Wallace's Anabasis is an excellent help in this direction.

4. **Anabasis**—Continued. Books II,III. Greek grammar reviewed. Critical study of Greek prepositions. Daily translations from English to Greek. Textbooks in addition to those used in Course 3, Pearson's Greek Prose Composition and Adam's Greek Prepositions. Monday, Tuesday, Thursday and Friday at 10:00. *Four hours, fall term.*

5. **Xenophon Continued**—Same as 4, with sèlect readings from other authors. *Four hours, winter term.*

6. **Homer's Iliad**—(Seymour) Books I to IV. Homeric language and verse (Seymour), Jebb's Homer. Study of the Homeric Palace (Isham). Daily exercise in Greek prose continued. Special attention given to Homeric forms. The customs of the Homeric Greeks will be carefully studied. Daily except Wednesday, at 10:00. *Four hours, spring term.*

7. **Hellenistic Greek**—One or two of the books of the New Testament will be studied and the general principles of Hellenistic Greek noted. Daily except Monday, at 11:00. *Four hours, fall term.*

8. **Hellenistic Greek**—Same as 7. New Testament continued. *Four hours, winter term.*

9. **Hellenistic Greek**—Same as 7, with selections from Septuagint. *Four hours, spring term.*

Courses 7, 8, and 9 are intended chiefly for students who expect to prepare for the ministry, and are elective to other Greek students. Prerequisites: Courses 1 to 6, inclusive. Textbooks: Westcott and Hort's Greek New Testament recommended. Conybeare and Stock's selections from the Septuagint (Ginn & Co.).

10. **Xenophon's Memorabilia**—Demosthenes Philippics. (Students will be required to read up the appropriate portions of the history of Greece, in order to study the above in their proper setting.) *Four hours, fall term.*

11. **Lysias' Orations** (Morgan's or Adam's)—Selections from Herodotus. Advanced Greek prose compositions. *Four hours, winter term.*

12. **Selections from the Plays of Euripides**—Study of the Attic Theater (Haigh). *Three hours, spring term.*

13. **Plato's Apology and Crito**—Croiset's Greek Literature. *Three hours, fall term.*

14. **Selection from the Comedies of Aristophanes**—Study of the influence of comedy on Greek thought and temperament. *Three hours, winter term.*

15. **Demosthenes De Corona** (Goodwin)—Also suitable extracts from Aeschines "Against Chesephon." Study of Bredif's life of Demosthenes. *Three hours, spring term.*

GREEK-ENGLISH COURSE

No Greek required. Open to all students.

The following four courses are offered to students who have not taken Greek. They will give a fairly good insight into the religion, habits and life of that wonderful people, whose institutions and civilization still make themselves felt at the present time, and whose influence still strongly prevails in modern thought.

16. **Greek Mythology**—Textbook: (Guerber) Collateral reading: Bullfinch's Age of Fable. Informal talks. Tuesday at 2:00 o'clock. *Two hours, fall term.*

17. **History of Greek Art**—(Tarbell). Greek sculpture (Gardner.) Tuesday at 2:00 o'clock. *Two hours, winter term.*

18. **History of Greek Literature**—From Homer to Theocritus (Edward Capps). Homeric Society (Keller). *Two hours, spring term.*

19. **The Life of the Ancient Greeks**—(Gulick) The Ancient City (Coulages). The Attic Theater (Haigh). *Two hours, spring term.*

UPPER DIVISION

120. **Pindar's Odes and Fragments**—Thucydides, book IV to VI. *Two hours, fall term.*

121. **Selections from Aristotle.** *Two hours, winter term.*

122. **Homer's Iliad**—Books VI to XXIV, read with a view to the study of the civilization and customs of the Homeric tribes. *Two hours, spring term.*

123. **Greek Epigraphy**—Textbook: Roberts. *Two hours, fall term.*

124. **Greek Inscription**—Textbook: Hicks' Manual of Greek Historical Inscriptions. *Two hours, winter term.*

HISTORY

Professor SCHAFER Mr. FISH Professor CLARK

LOWER DIVISION

Lower division subjects required for students majoring in history. Courses 1, 2.

1. **The Great Historians**—The aim of this course is twofold. On the one hand, it is intended to familiarize the student with the world's greatest writers of history, and to develop in him an appreciation of their works, and a critical insight into the methods employed in producing them. On the other hand, it is a study of some of the most significant phases of world history through the great historians of ancient and modern times. Monday, Tuesday and Thursday at 11:00 o'clock. Freshman course. Professor SCHAFER.
Two hours, each term.

2. **Modern European History**—The history of Europe from the French revolution to the great war. Open to freshmen entering at either term. Monday, Tuesday, Thursday, Friday at 10:00 o'clock. Professor CLARK. *Four hours, fall and winter terms.*

3. **History of England**—A general survey of English history, covering all phases of development. Monday, Wednesday and Friday at 9:00 o'clock. Not given 1919-1920. Elective by terms. Professor CLARK. *Three hours, fall term.*

5. **Early American History**—The American revolution in its political, economic and sociological phases; the confederation and the constitution; our national history from 1789 to 1816. Monday, Tuesday, Thursday and Friday at 10:00 o'clock. Professor SCHAFER.
Four hours, fall term.

6. **Later American History**—The story of American development during the past one hundred years; general theme, the evolution of a democratic world power. Monday, Tuesday, Thursday and Friday at 10:00 o'clock. Professor SCHAFER.
Four hours, winter term.

UPPER DIVISION

101. **Ancient History**—Ancient monarchies during fall term. Greek history, winter term; Roman History, spring term. Open for entering students any term. Monday, Wednesday and Friday at 2:00 o'clock. Professor DUNN. *Three hours, each term.*

102. **The Middle Ages**—Fall and winter terms. Monday, Tuesday, Wednesday, Thursday at 11:00 o'clock. Professor CLARK. *Four hours, fall and winter term.*

103. **The Protestant Reformation**—Monday, Tuesday, Wednesday, Thursday at 11:00 o'clock. *Spring term.*

104. **American Diplomacy**—A history of the relations of the United States with other powers and of the development of American foreign policies, from 1789 to entrance into the great war. Monday, Tuesday and Thursday at 9:00 o'clock. Elective by terms. Professor CLARK. *Three hours, fall and winter term.*

105. **The Great War**—Its historical background, causes, general progress and results. Monday, Tuesday, Thursday and Friday at 10:00 o'clock. Professor CLARK. *Four hours, spring term.*

107. **Recent American History**—The aim of this course is to familiarize students with the great political, social and economic problems and movements of the past forty years, since the close of the reconstruction era. Also to develop a true insight into American ideals of life. Monday, Tuesday, Thursday and Friday at 10:00 o'clock. Professor SCHAFER. *Four hours, spring term.*

108. **American Statesmanship and Statesmen**—The history of the United States from 1789 to the present time will be examined in the light of the men who developed the national policies and personalized the national ideals. Special attention will be given to the careers of Washington, Hamilton, Jefferson, Clay, Webster, Calhoun, and Lincoln. More recent statesmen will be discussed briefly. Tuesday, Thursday and Friday at 8:00 o'clock. Professor SCHAFER. *Three hours, winter and spring terms.*

109. **Lectures on the Results of the War**—Tuesday and Thursday at 2:00 o'clock. Elective by terms. Professor SCHAFER and CLARK. *Two hours, fall term.*

GRADUATE DIVISION

201. **Seminar in Western History**—A detailed study, largely from the sources, of the building of civilization in the western portions of the United States, particularly the region west of the Rocky mountains. For history seniors as an equivalent of the thesis requirement, and for graduate students. Monday, Wednesday and Friday at 9:00 o'clock. Professor SCHAFER.

Three hours, fall and winter terms.

203. **The Pacific Orient**—China and Japan, their history, organization and policy, together with a consideration of their relations to the Pacific states of America. Monday, Wednesday and Friday at 9:00 o'clock. Professor SCHAEFER. *Three hours, spring term.*

204. **Latin American History**—A study of the history, together with political, social, and economic conditions of the "Other Americas." Monday, Wednesday, Friday at 9:00 o'clock. Professor CLARK. *Three hours, spring term.*

HOUSEHOLD ARTS

Professor LILLIAN TINGLE

Miss SHUMWAY Miss RHODES

Mrs. DATSON Miss MORRIS

The courses in Household Arts are offered as a necessary part of liberal education for women.

Many fields of activity are open to college women with training in the subjects pertaining to the home and home life. Those interested in social betterment and welfare work, in various phases of reconstruction work, in nursing, in teaching, in many forms of secretarial work, in journalism, in applied arts, and art education, will find special benefit from these practical courses. Freshmen and sophomores interested in Household Arts are advised to take as

many as possible of the following general courses, in addition to at least 30 hours in the elementary courses of this department:

Practical Ethics and Vocational problems	3 hours
Personal Hygiene	3 hours
One modern language	2 year courses
English Composition, required work	3 to 9 hours
English Literature	1 year course
Chemistry	12 hours
Physics	12 hours
Social Science, required work.	
Biological Science, one course.	

The following program of studies is suggested for lower division students preparing to specialize in Household Arts.

FRESHMAN YEAR

	Fall	Winter	Spring
English Composition	3	3	3
Foreign Language	3–5	3–5	3–5
Chemistry	4	4	4
Sewing	3	3	3
Textiles	2	..	..
Dress Design	..	2	2
Personal Hygiene			
Physical Education			

SOPHOMORE YEAR

	Fall	Winter	Spring
Foreign Language	3–4	3–4	3–4
Elements of Cookery	4	4	4
Sanitary Hygiene	3	..	..
Elementary Food Economics	..	3	..
Marketing	..	..	3
Home Decoration	2	2	2
Second Group Elective	3–5	3–5	3–5
Physical Education			

The following courses will be offered by the department in 1919-20. Closely allied courses given in other departments are also listed below.

LOWER DIVISION

1a. **Household Sewing and Garment Making**—Use and care of machines, study of materials and design, principles of construction,

the making of type garments. Pre-requisite or parallel, Household Arts 2a. Lectures and laboratory three afternoons. Miss SHUMWAY. *Three hours, fall term.*

1b. **Household Sewing and Garment Making**—Continuation of the above course. Pre-requisite or parallel, Household Arts 1a and Household Arts 2b. Miss SHUMWAY. *Three hours, winter term.*

1c. **Household Sewing and Garment Making**—Continuation of the course. Parallel or pre-requisite Household Arts 2c. Students entering with high school credits in sewing may be admitted to the latter course, but credit cannot be given for a single term's work. Miss SHUMWAY. *Three hours, spring term.*

2a. **Elementary Textiles and Dress Design**—Identification of fabrics and microscopial study of fibres, physical and chemical tests, economic features fo the textile industry. Pre-requisites or parallel, Chemistry 1, either high school or college, except for upperclasswomen, by special permission of the head of the department. Tuesday and Thursday at 1:00 o'clock. Miss SHUMWAY and Miss RHODES. *Two hours, fall term.*

2b. **Elementary Textiles and Dress Design**—Continuation of 2a. Study of lines, color and fabrics as applied to dress design, study of historic dress and ornament, planning of modern costumes based on the principles of design and color harmony adapted to individual requirements. Pre-requisite, Course 2a, except by permission of the head of the department. Miss SHUMWAY and Miss RHODES. *Two hours, winter term.*

2c. **Elementary Textiles and Dress Designs**—Continuation of 2b. Miss RHODES. *Two hours, spring term.*

4c. **Housewifery**—The care of the home and the systematic planning of daily routine, study of tools, materials, and methods for the cleaning, preservation and repair of household furnishings and equipment. Tuesday, Thursday and Friday at 8:00 o'clock. Miss SHUMWAY. *Three hours, spring term.*

5a. **Elements of Cookery**—This course includes a general survey of the elementary problems of cookery, with an introduction to planning and serving meals in the home. Pre-requisite or parallel Chemistry 1, except by special permission. Not open to freshmen. Lectures and laboratory Monday, Tuesday, Wednesday and Thursday from 1:00 to 3:00 o'clock. Credit cannot be given for a single term's work. Professor TINGLE and Miss SHUMWAY.

Four hours, fall term.

5b. **Elements of Cooking**—Continuation of 5a. Pre-requisite 5a or credits in high school cooking. Professor TINGLE and Miss SHUMWAY. *Four hours, winter term.*

5c. **Elements of Cooking**—Continuation of the above. Pre-requisite, 5a, b. Professor TINGLE and Miss SHUMWAY.

Four hours, spring term.

6a, b. **Elementary Food Economics**—This is an elementary courses, designed for students who have not taken the science courses that are pre-requisite to the course in Food and Nutrition. It includes a discussion of the functions and nutritive values of foods, the feeding of families and groups, with particular reference to nutritive requirements and cost of food in relation to the family budget. An elementary knowledge of cooking is expected. Monday, Tuesday, Thursday at 11:00 o'clock. Professor TINGLE and Miss SHUMWAY.

Three hours, fall and winter terms.

7c. **Marketing**—Study of the purchasing of food and household supplies, methods of buying, quality, quantity and tests, transportation and distribution of food, sources of supply, seasons and prices. Pre-requisite Household Arts 6a, b. Professor TINGLE.

Three hours, spring term.

8a. **The Home and Home Decoration**—The site, plan and construction of a house, application of structural art principles, choice and arrangement of household fabrics and furnishings, color, space and texture studies. Monday and Friday at 3:00 o'clock. Miss RHODES. *Two hours, fall term.*

8b. **The Home and Home Decoration**—A continuation of 8a. Miss RHODES. *Two hours, winter term.*

8c. **The Home and Home Decorations**—A continuation of 8b. Miss RHODES. *Two hours, spring term.*

UPPER DIVISION

100a. **Food and Nutrition**—This course offers a survey of the nutritive values of foods and the nutritive requirements of the body. In the laboratory food values are studied quantitatively and problems in diagrams for different ages and conditions are worked out concretely. Pre-requisite, Elementary Chemistry and Physiology, Household Arts 5a, b or c, or equivalent training in food preparation. Lectures and laboratory. Professor TINGLE and Miss SHUMWAY. *Three hours, fall term.*

100b. **Food and Nutrition**—Continuation of above. Professor TINGLE and Miss SHUMWAY. *Three hours, winter term.*

100c. **Food and Nutrition**—Repetition of Course 100a. Professor TINGLE and Miss SHUMWAY. *Three hours, spring term.*

101c. **Principles of Household Management**—The problems of the modern home maker from the ideal and practical point of view, study of the economic and scientific principles involved in maintaining household economy. Pre-requisite or parallel, Household Arts 4c and Sanitary Hygiene or Household Sanitation. Professor TINGLE. *Three hours, spring term.*

102a. **Practical Food Preparation for Social Workers**—Problems of cost, preparation and service, purchasing and preparation of food in larger quantities, as in social welfare centers, community kitchens and school lunch rooms; study of family dietaries for reduced incomes. Pre-requisite, Household Arts 7c, with at least two courses in food preparation and Household Arts 6a, b, or 100a and b. Field work and practice in residence halls. Lectures and special studies. Professor TINGLE and Mrs. DATSON. *Three hours, fall term.*

102b. **Practical Food Preparation for Social Workers**—Continuation of the above. Professor TINGLE and Mrs. DATSON.
Three hours, winter term.

102c. **Practical Food Preparation for Social Workers**—Professor TINGLE and Mrs. DATSON. *Three hours, spring term.*

104a. **Home Nursing**—Emergencies, first-aid and simple home care of the sick, planning and serving meals for the sick and convalescent or for prescribed diets. Pre-requisite, at least two courses in food preparation or equivalent experience. Miss MORRIS.
Three hours, fall term.

105b and c. **Care of Children**—Study of the physical and mental development of children, food and clothing for children from infancy to adolescence, general care and training for family life from the point of view of child welfare. Pre-requisite 104a or Red Cross course in home nursing. Professor TINGLE and Professor DEBUSK. *Three hours, winter and spring terms.*

106. **Practice Housekeeping**—This course is intended to give practical experience in the problems of the home, including purchasing supplies, cleaning and laundry work, serving of meals, simple entertaining, etc. Students pay living expenses while in the practice house. Pre-requisite, Household Arts 4c; 5a, b, c; 6a, b or c; 7c and 101c. *Three to five hours, according to time of residence.*

107b. and c. **Home Economics Journalism**—This course is intended to equip Household Arts students as contributors to newspapers and magazines. Pre-requisite, Journalism 102, and not less than 15 hours Household Arts credits, with parallel courses as advised after conference with Professor Tingle. Tuesday and Friday at 10:00 o'clock. Professor TINGLE and Professor ALLEN.
Two hours, winter and spring terms.

108a. **Household Budget-Making**—This course deals with the general principles of business which are necessary for efficient homemaking. Household budgets for various incomes and their apportionment for food, clothing, shelter, running expenses, insurance, etc. Professor TINGLE and Professor MORTON. *Three hours, one term.*

Laboratory Fees

1a.	Household Sewing and Garment Making	$0.50
1b.	Household Sewing and Garment Making	.50
1c.	Household Sewing and Garment Making	.50
2a.	Elementary Textile and Dress Design	1.00
2b.	Elementary Textiles and Dress Oesign	1.00
2c.	Elementary Textiles and Dress Design	1.00
4c.	Housewifery	.50
5a.	Elements of Cookery	5.00
5b.	Elements of Cooking	5.00
5c.	Elements of Cooking	5.00
6a.	Elementary Food Economics	.50
6b.	Elementary Food Economics	.50
6c.	Elementary Food Economics	.50
100a.	Food and Nutrition	2.00
100b.	Food and Nutrition	2.00
100c.	Food and Nutrition	2.00
102a.	Practical Food Preparation for Social Workers	1.00
102b.	Practical Food Preparation for Social Workers	1.00
102c.	Practical Food Preparation for Social Workers	1.00
104a.	Home Nursing	1.00
105b.	Care of Children	1.00
105c.	Care of Children	1.00

Students in Household Arts 1a, 1b, 1c, pay a laboratory deposit of 50 cents and provide their own materials after conference with the instructor.

Students in food preparation courses provide themselves with regulation white aprons, holders, and small hand towels.

Closely allied courses in other departments, most of which will be accepted for credit, are the following:

Botany

11. **Sanitary Hygiene**—Lectures, Monday, Tuesday, Thursday at 11 o'clock. *Three hours, fall term.*

106. **Bacteriology**—Lectures, Tuesday and Thursday at 11:00. Laboratory Wednesday, Friday, afternoons.
Four hours, winter or spring terms.

107. **Bacteriology.** *Four hours, spring term.*

Physics

1. **Essentials of Physics**—Lectures, Tuesday, Thursday, Friday, at 10:00 o'clock. Laboratory Monday, Tuesday or Thursday.
Four hours, fall term.

2. **Essentials of Physics**—Lectures, Tuesday, Thursday, Friday at 10:00 o'clock. Laboratory Monday, Tuesday or Thursday.
Four hours, winter term.

3. **Essentials of Physics**—Lectures, Tuesday, Thursday, Fri- at 10:00 o'clock. Laboratory Monday, Tuesday or Thursday.
Four hours, spring term.

Chemistry

1a. **General Chemistry**—Lectures, Monday, Tuesday, Thursday at 11:00 o'clock. Laboratory Wednesday, Thursday or Friday afternoons.
Four hours, fall or winter term.

1b. **General Chemistry**—Lectures, Monday, Tuesday, Thursday at 11:00 o'clock. Laboratory Wednesday, Thursday or Friday afternoons.
Four hours, fall or winter term.

1c. **General Chemistry**—Lectures, Monday, Tuesday, Thursday at 11:00 o'clock. Laboratory Wednesday, Thursday or Friday afternoons.
Four hours, spring or fall term.

Zooogy

6. **Elementary Physiology.** *Four hours, fall term.*

Architecture

111, 112. **Domestic Architecture**—Junior subject.
One hour, fall and winter terms.

113. **Domestic Architecture**—Junior subject.
One hour, spring term.

114, 115, 116. **Domestic Architecture**—Junior subject.
One hour, each term.

Numerous other courses are of particular value to women in various directions of study. The head of the department and lower division advisers will be prepared to make recommendations to meet the needs in individual cases. Among such courses for special preparation are: Elementary General Psychology, Educational Psychology, Adolescence, Civic Education, Educational Hygiene, Public Speaking.

HYGIENE AND PHYSICAL EDUCATION

Professor CUMMINGS — Assistant Professor THOMSON

Miss GORMAN — Miss WINSLOW

The purpose of this department is to promote the health of the individual college woman, to establish health habits, and to train her in health methods. Its special theoretical courses prepare playground supervisors and physical training teachers. All women are expected to take, during some one term of their freshman year, a lecture course in personal hygiene. Practical hygiene consisting of class work in physical training is required for three hours a week during both the freshman and sophomore years. It is arranged after a thorough physical examination and ranges from the most strenuous sports, like basketball and swimming, through gymnasium class work, to restricted or corrective exercise and massage. It is arranged under the direction of a physician, to meet individual needs, and where the student desires, in consultation with the family physician, but only in the rarest cases is a student excused from the required amount of work for health maintenance and improvement.

PROFESSIONAL TRAINING

There is a growing demand for playground supervisors and for teachers of hygiene and physical education. Young women of sound health and considerable organic vigor, who possess a good sense of rhythm, are accepted as majors in this department. Students majoring in other departments may take their minor work in this department.

The Women's Athletic Association

This is an organization open to all women of the University. It was formed for the purpose of bringing together those interested in athletic sports, to encourage others to take interest in them that active life in the great out-of doors may be fostered here and throughout the state. Its activities include archery, baseball, basketball, canoeing, field hockey, golf, tennis, swimming and walking. Class and individual contests are held in the spring.

Laboratory Fees

A fee of 75 cents a term, payable at the time of registration, is charged all women registered in the department. The same fee is charged for use of pool and baths. These cover locker, swimming suit, towels, bandages, and other perishable supplies.

Suits and Shoes

Uniform gymnasium suits and shoes, which conform to definite hygienic requirements, are demanded. Neither should be purchased before entering college. Every entering woman should bring with her a sport skirt, a middy blouse and shoes suitable for outdoor athletics.

LOWER DIVISION

1. **Elementary Physical Education**—Sections a, b and c; the regular freshman work. (a) Monday, Wednesday and Friday at 3:00 o'clock; (b) Monday, Wednesday and Friday at 4:00 o'clock; (c) Tuesday, Thursday and Friday at 10:00 o'clock.

One hour, each term.

2. **Advanced Physical Education**—The sophomore work. Sec. (a), Monday, Wednesday and Friday at 3:00 o'clock. Sec. (b), Monday, Wednesday and Friday at 4:00 o'clock.

One hour, each term.

3. **Corrective and Remedial Gymnastics**—Individual prescriptive exercises for those unfit for regular class work. Sections at 9:00, 10:00, 11.00 and 2:00 o'clock on days scheduled for three-hour classes. Three times a week. *One hour, each term.*

4. **Elementary Dancing**—Aesthetic dancing and the more difficult folk dances. Fundamental steps and terminology. Technique exercises. For majors in physical education, dramatic interpretation and any other women qualified. Wednesday and Friday at 11:00 o'clock. *Each term.*

4a. The more difficult folk and national dances. Two periods. *Half hour for majors in Physical Training—Spring term.*

5. **Swimming**—Tuesday and Thursday, 2:10 to 5:40 o'clock. *Each term.*

6. **Personal Hygiene**—Repeated each term. Lectures and text: Hough & Sedgwick's "Human Mechanism." *Three hours, any term.*

7. **Applied Anatomy**—A study of the joints and principal muscle groups of the human body, with particular attention to their action. Open to sophomores only; a prerequisite for majors in physical education. Text: Bowen & McKenzie Applied Anatomy. *Four hours, winter term.*

8. **Visceral Anatomy**—A study of the human viscera, the vascular and nervous systems. *Four hours, spring term.*

UPPER DIVISION

100. **Advanced Gymnastics**—For majors in physical education and those preparing for playground supervision. Monday, Wednesday and Friday at 9:00 o'clock.
One hour credit to physical education majors, each term.

101. **Playgroud Supervision**—The hygienic, educational and social significance of play. The analysis of play activities; instruction in games, basketry and folk dancing; practical work with children. Open only to upperclass students. *Three hours, each term.*

102. **Advanced Dancing**—A continuation of the course begun during the fall term. Open only to those who have completed Course 4. Monday, Wednesday and Friday at 2:00 o'clock.
One-half hour credit to physical education majors, each term.

103. **Technique of Teaching**—Gymnastic terminology and readiness in the use of commands, voice and personal bearing of the teacher, are given chief attention. Two periods. *One hour, fall term.*

104. **Normal Instruction**—Practice in class instruction for facility in methods of demonstration, command and correction. Responsibility for rapid lesson movement and suitable progression. During the spring term analysis and composition of light apparatus exercises and simple dances. Two periods a week. Text: Skarstrom's "Gymnastic Teaching." *One hour, winter and spring terms.*

105. **Emergencies and Bandaging**—Cause, nature and treatment of unconsciousness, hemorrhage, wounds, bruises, sprains and fractures. Bandaging, dressing, antiseptics and disinfectants. Demonstrations and practice. Text: Morrow's Immediate Care of the Injured. *Two hours, spring term.*

106. **Kinesiology**—The analysis of gymnastic, athletic and occupational movements from the standpoint of their motor mechanism. Prerequisites, Courses 2 and 7. Text: Skarstrom's Kinesiology. *Five hours, fall term.*

107. **Theory and Practice of Physical Education**—Physical education in relation to public health, its place in the educational scheme; adaptations of subject-matter and method. Organization and administration of physical training in high schools, in elementary schools, supervision. Lectures and library work, in which the student becomes more or less familiar with current literature on the subject. *Three hours, fall and spring terms.*

108. **Theory and Practice of Corrective Gymnastics**—Lectures, demonstrations, assigned reading and practice of corrective gymnastics and massage. Two hours' lecture; three hours' practice. Prerequisites, kinesiology and physiology. *Three hours, fall and winter terms.*

108. **Anthropometry and Physical Examination**—The symptomatology of common ailments; the interpretation of health history and physical signs; the technique of physical measurements and tests. Prerequisites, kinesiology and physiology. *Three hours, spring term.*

110. **Eugenics**—Reproduction, heredity, environment and disease as related to racial health. Negative measures for race improvement; positive measures. Lectures and references. Prerequisities, botany or zoology. *Two hours, winter term.*

111. **History of Physical Education**—A study of historical methods by which health and physical efficiency have been maintained through exercise. *Two hours, fall term.*

112. **Mechanism of Remedial and Occupational Movement**—The anatomy of the bones, joints and muscles studied in application to gymnastic exercises and occupational movements. Designed for students not majoring in physical education who wish a brief survey of anatomy and kinesiology. *Four hours, fall term.*

Courses for Teachers of Physical Training

Junior Year

Fall	*Winter*	*Spring*
Kinesiology 5	Physiology 5	Physiology 5
Tech Teach 1	Normal Inst. 1	Normal Inst. 1
Prin. of Ed..... 3	Observation 3	Theory of Physical Education 3
Playground 3	Playground 3	Playground 3
Gym 1½	Gym 1½	Gym 1½
Elective.... 3 or 4		

Senior Year

Cor. Gym. 3	Cor. Gym. 3	Anthropometry & Physical Diagnosis 2
Theory Physical Education 3	Theory P. E. 3	Bandage & Emergency 2
Hist. P. T. 2	Eugenics 2	Teach 2-3
Teach 2-3	Teach 2-3	Gym 1½
Gym 1½	Gym 1½	
Elective 4		

Prerequisites for this professional course are one year each of chemistry, zoology and psychology, with Courses 7 and 8 in this department, a fair degree of skill in gymnastics and dancing and a mastery of at least two sports.

The course permits of concentration upon some other subject for combination with physical education, which is highly desirable for high school positions in Oregon; the combination of a broad cultural course with technical training by electives in literature, history or language; or the enrichment of the technical course through closely related subjects. Especially valuable are sanitary hygiene, mental hygiene, school hygiene, clinical child psychology and school administration. The last combination should prepare for comprehensive health supervision, including physical training, in the moderate sized school system. Those desiring to study medicine later can complete the full pre-medical course in connection with the above outline.

LATIN

*Professor DUNN Professor CLARK

LOWER DIVISION

Students planning to make Latin their major subject should include in their lower division program courses 21, 22 and 23. Courses 24, 25 and 26, also are recommended. Students whose preparatory work has not included Ancient History should elect it in the lower division, if possible.

1. **Beginning Latin**—Daily at 8:00 o'clock. Professor CLARK. *Five hours, fall term.*

2. **Beginning Latin** (continuation of Course 1)—Daily at 8:00 o'clock. Professor CLARK. *Five hours, winter term.*

3. **Caesar**—Selections from the Gallic war. Latin prose composition. Daily at 8:00 o'clock. Professor CLARK. *Five hour, spring term.*

4. **Caesar** (continuation of Course 3a)—Monday, Tuesday, Thursday and Friday at 10:00 o'clock. Professor CLARK. . . *Four hours, fall term.*

*Absent on leave, engaged in war work, 1918-1919.

5. **Cicero**—Selected orations. Latin prose composition. Monday, Tuesday, Wednesday and Thursday at 11:00 o'clock; fall term. Repeated spring term, Monday, Tuesday, Thursday and Friday at 10:00 o'clock. Professor CLARK. *Four hours, winter term.*

6. **Cicero** (continuation of Course 5)—Monday, Tuesday, Wednesday and Thursday at 11:00 o'clock. Professor CLARK. *Four hours, spring term.*

7. **Vergil**—Selections from the Aeneid. Monday, Tuesday, Wednesday and Thursday at 1:00 o'clock; fall term. Repeated spring term, Monday, Tuesday, Wednesday and Thursday at 11:00 o'clock. Professor CLARK. *Four hours, fall or spring term.*

8. **Vergil**—(Continuation of Course 7) Monday, Tuesday, Wednesday and Thursday at 1:00 o'clock. Professor CLARK. *Four hours, winter term.*

9. **Vergil**—Selections from the poems (continuation of Course 8). Monday, Tuesday, Wednesday and Thursday at 1:00 o'clock. Professor CLARK. *Four hours, spring term.*

21. **Cicero's De Amicitia** and selected odes from Horace. Tuesday, Wednesday and Thursday at 8:00 o'clock. Professor DUNN. *Three hours, fall term.*

22. **Terence's Andria**—Horace's odes (continued). Tuesday, Wednesday and Thursday at 8:00 o'clock. Professor DUNN. *Three hours, winter term.*

23. **Sallust's Jugurtha**—Horace's odes (concluded). Tuesday, Wednesday and Thursday at 8:00 o'clock. Professor DUNN. *Three hours, spring term.*

24. **Tacitus, Agricola and Germania**—Selected letters of Pliny. Tuesday, Thursday and Friday at 10:00 o'clock. Professor DUNN. *Three hours, fall term.*

25. **Martial's Epigrams**—Pliny's letters (continued). Tuesday, Thursday and Friday at 10:00 o'clock. Professor DUNN.
Three hours, winter term.

26. **Suetonius' Life of Augustus**—Quintilian, Book X. Tuesday, Thursday and Friday at 10:00 o'clock. Professor DUNN.
Three hours, spring term.

41. **The Private Life of the Romans**—Lectures, readings and reports. Knowledge of Latin not a pre-requisite. Monday, Wednesday and Friday at 9:00 o'clock. Professor CLARK.
Three hours, fall term.

42. **Roman Literature**—Lectures and readings. Monday, Wednesday and Friday at 9:00 o'clock. Professor DUNN.
Three hours, winter term.

44. **Our Inheritances from the Graeco-Roman Civilization**—Lectures, readings and reports. Monday, Wednesday and Friday at 2:00 o'clock. Professor DUNN. *Three hours, fall term.*

45. **Comparative Mythology**—Lectures and reports. Monday, Wednesday and Friday at 2:00 o'clock. Professor DUNN.
Three hours, winter term.

46. **Topography of Rome**—Lectures, readings. Monday, Wednesday and Friday at 2:00 o'clock. Professor DUNN.
Three hours, spring term.

UPPER DIVISION

101, 102, 103. **Selected Reading Course**—For juniors. (Seventh Year in Latin). To be arranged. Professor DUNN.
Three hours, each term.

111, 112, 113. **Latin Pedagogy**—Monday, Tuesday and Thursday at 11:00 o'clock. Professor DUNN.
Three hours, each term.

MATHEMATICS

Professor DeCou Professor Milne

Professor McAlister Miss Heess

The basic importance of a knowledge of Mathematics, at least through Advanced Algebra and Plane Trigonometry, and in many cases through Calculus and Differential Equations, was deeply impressed upon our soldiers in the scientific fighting of the great world war.

Reconstruction and peace problems will demand a much wider range of scientific study for which mathematics lays the solid foundation.

The courses offered are extended in scope and aim to meet the needs especially of the following three groups: First, those students seeking rigorous mental discipline through the study of an exact science; Second, those desiring a mathematical basis for the study of the Natural and Applied Sciences, such as Physics, Chemistry, Astronomy, Geology, Biology, Architecture, Engineering and Commerce; Third, those preparing to be teachers of high school mathematics, for whom there is always a demand in excess of the supply.

Courses 1, 2, 3, 4 and 7 are designed for students in general courses who desire to secure a good foundation for their work in the Sciences, for students of Commerce and Architecture, and for those who expect to teach Mathematics in conjunction with other high school subjects. Courses 2 and 6 are required of freshmen in Commerce. Courses 2, 3, 4 and 7 are required of students of Architecture.

Major students in Mathematics and those preparing for Engineering should take the following courses during the first two years: freshman year, Course 5; sophomore year, Course 102.

Advanced and graduate students in Mathematics are offered a number of fundamental elective courses, arranged to give breadth and symmetry to their mathematical training for both the Bachelor's and Master's degree.

Freshmen entering the second or third terms will find Courses 2, 3, 4, 5 and 6 open to them if sufficiently prepared.

Students planning to make Mathematics their major subject should include in their lower division subjects at least Mathematics 1, 2, 3 and 4, and in many cases Mathematics 7.

LOWER DIVISION

1. **Solid Geometry**—Daily, except Wednesday, at 10:00 o'clock. Professor MILNE. *Four hours, fall term.*

2. **Advanced Algebra**—An elementary course open to freshmen. Required of students in Commerce and Architecture. Fundamental to all work in Military Science. This course is followed in the winter and spring terms by either Plane Trigonometry or Mathematical Theory of Investment. Fall term, Tuesday, Wednesday, Thursday, Friday at 8:00 o'clock. Winter term, Monday, Tuesday, Thursday, Friday at 10:00 o'clock. Professor DECOU.
Four hours, fall or winter term.

3. **Plane Trigonometry**—An elementary course open to freshmen. It should be preceded by Advanced Algebra, Course 2. Required of students in Architecture. Fundamental to all work in Military Science. Followed in spring term by Analytical Geometry or Mathematical Theory of Investment. Winter term, Tuesday, Wednesday, Thursday, Friday at 8:00 o'clock, as part of Course 5 in Elementary Analysis. Professor MILNE. Spring term, Monday, Tuesday, Thursday, Friday at 10:00 o'clock. Professor DECOU.
Four hours, winter or spring terms.

4. **Analytical Geometry**—Open to freshmen who have had Advanced Algebra and Plane Trigonometry. Required of students in Architecture. Fall term Tuesday, Thursday, Friday at 10:00 o'clock. Professor DECOU. Spring term, Tuesday, Wednesday, Thursday, Friday at 8:00 o'clock, as part of Course 5 in Elementary Analysis. Professor MILNE. *Three hours, fall term; four hours, spring term.*

5. **Elementary Analysis** (Advanced Algebra, Plane Trigonometry and Analytical Geometry)—Open to freshmen. A combined course, stressing Advanced Algebra in the fall term, Plane Trigo-

nometry in the winter term and Analytical Geometry in the spring term. Students looking toward major work in Mathematics, Engineering or Science are advised to take this course. Tuesday, Wednesday, Thursday, Friday. Pre-requisite three semesters of Elementary Algebra. Professor MILNE. *Four hours, each term.*

6. **Mathematical Theory of Investment**—An elementary treatment of interest, annuities, valuation of bonds, sinking funds, building and loan associations, life insurance, etc. Open to freshmen and others who have had Advanced Algebra. Required of Commerce students. Winter term, Monday, Tuesday, Thursday, Friday at 11:00 o'clock. Spring term, Tuesday, Wednesday, Thursday, Friday at 8:00 o'clock. Professor DECOU.

Four hours, winter or spring term.

7. **Differential and Integral Calculus**—An introductory course for literary and scientific students. Pre-requisite Analytical Geometry, Course 4. Required of students in Architecture. Tuesday, Thursday, Friday at 10:00 o'clock. Professor MILNE.

Three hours, winter and spring terms.

8. **Elements of Statistical Methods; Theory and Use of the Slide Rule**—This course is designed for students majoring in Commerce, Economics, Education, Journalism, Architecture, Mathematics and the Natural Sciences, who have occasion to compile and interpret statistics. The theory and the use of the Slide Rule is included for its practical use in shortening the work of computation. The treatment is largely non-mathematical, but students will be benefited by taking Course 2 in Advanced Algebra beforehand. Professor DECOU.

Three hours, one term.

UPPER DIVISION

101. **Teaching and History of Mathematics**—Especially intended for high school teachers. The course includes a study of the methods of teaching secondary mathematics, a careful examination

and comparison of recent texts as they exemplify these methods and the humanizing of mathematics teaching through a knowledge of the history of the great men who developed the science. Monday, Tuesday, Thursday at 11:00 o'clock. Professor DeCou.

Three hours, fall term.

102. **Differential and Integral Calculus**—A fundamental course to Mathematics, Science and Engineering, laying a thorough foundation for all future work in Mathematics and its applications. Monday, Tuesday, Wednesday, Friday at 9:00 o'clock. Professor DeCou.

Four hours, each term.

103. **Differential Equations**—A practical course in the solution of Ordinary and Partial Differential Equations. Pre-requisite, Course 102, Differential and Integral Calculus. Wednesday and Friday at 11:00 o'clock. Professor DeCou.

Two hours, each term.

104. **Higher Algebra**—A more advanced and rigorous treatment of the topics of the preceding courses, together with the addition of many new topics. Hours to be arranged. (Not given in 1919-20.) Professor DeCou. *Three hours, one term.*

105. **Theory of Equations and Determinants**—An important course giving the essential principles required in various advanced studies. Hours to be arranged. Professor DeCou.

Three hours, one term.

106. **Solid Analytical Geometry**—An advanced course dealing with surfaces of the second degree and their properties, together with some discussion of surfaces in general. Hours to be arranged. Professor DeCou. *Three hours, one term.*

107. **Advanced Calculus**—An important course rounding out undergraduate study of mathematics. It includes definite integrals, improper integrals, power series, Fourier's series, elliptic functions and other special functions. Applications to Physics, Mechanics and Astronomy receive special emphasis. Pre-requisite. Course 102. Professor Milne. *Three hours, two terms.*

108. **Analytical Trigonometry**—Pre-requisite, Plane Trigonometry. Hours to be arranged. (Not given in 1919-20.) Professor DeCou. *Three hours, one term.*

109. **Theory of Functions of a Complex Variable**—Hours to be arranged. Professor DeCou. *Three hours, one term.*

110. **Projective Geometry**—An analytical treatment covering the topics of homogeneous coordinates, duality, involution, geometry on a line, the projective properties of conics, rational curves. The connection between metric and projective geometry is emphasized. In the latter part of the course higher plane curves will be studied, including the polar theory, singular points and Plucker's equations. Lectures and assigned readings. Pre-requisite, Mathematics 5 and 102. (Not given in 1919-20.) *Three hours, one or two terms.*

111. **Higher Plane Curves**—An advanced course based on analytical geometry and calculus. Not given in 1919-20. *Three hours, each term.*

112. **Differential Geometry**—A short introductory course based on Eisenhart's Differential Geometry. Pre-requisite. Course 102 Professor Milne. *Three hours, one term.*

113. **Non-Euclidean Geometry**—A study of the essential features of the geometries of Lobachevsky and Riemann, including non-Euclidean Trigonometry. A critical reading of standard texts, the history of the parallel postulate foundation of geometry. Pre-requisite, Mathematics, 5, 102, 110. (Not given in 1919-20.) *Two hours, two terms.*

139. **Applied Mathematics**—This course is intended for students of Chemistry and Physics, and embraces a rapid review of Differential and Integral Calculus, with applications to problems of Physics and Chemistry; the development of Infinite Series; elements of Differential Equations; Fourier's Theorem; Theory of Probability and Adjustment of Errors; Calculus of Variations. A course in Calculus should precede this course. Hours to be determined. Professor McAlister. *Three hours, two terms.*

Graduate Courses

On application courses will be provided for graduates and others of sufficient mathematical maturity and training in the following subjects: Elliptic Functions, Substitution Groups and the Theory of Numbers.

Equipment

The department is provided with a well selected library of the best American and foreign works, in addition to a large collection of elementary texts for pedagogical purposes. It has complete files of the American mathematical journals and the Mathematische Annalen and receives regularly the current numbers of these journals and some other foreign ones.

A collection of the famous Brill models is an important adjunct of the work in geometry. Included in this collection are plaster models of ellipsoids, hyperboloids of one and two sheets, elliptic and hyperbolic paraboloids, on which are shown the geodesic lines, lines of curvature, circular and principal sections, etc.; also wire and thread models, illustrating ruled surfaces and generating lines of conicoids. A spherical blackboard, three feet in diameter, blackboard apparatus for use in geometrical constructions, and numerous models and drawing constructed by the students, add materially to the equipment. A complete set of mensuration blocks and models is used in the study of geometry teaching.

In order to be recommended as a teacher of Mathematics the student should take the following courses in this department.

	Catalog No. of Course	Term Hours
Advanced Algebra and Trigonometry	2 and 3	8
Analytic Geometry and Calculus	4 and 7	9
Theory of Equations and Determinants	105	3
Teaching and History of Mathematics	101	3

MECHANICS AND ASTRONOMY

Professor McAlister

LOWER DIVISION

11. **Elementary Mechanics**—The course covers the fundamental principles of Statics and Kinetics, with applications to problems which can be solved by elementary methods. Trigonometry is a pre-requisite. *Three hours, winter and spring terms.*

UPPER DIVISION

101. **Analytical Mechanics**—First term, statics; second term, particle dynamics; third term, dynamics of a rigid body. Calculus is a pre-requisite. *Three hours, each term.*

102. **Applied Mechanics**—A course for students of architecture, including analytical and graphic statics, and strength of materials. *Three hours, each term.*

103. **Theory of Elasticity**—The mechanics of elastic solids; applications to the strength, resistance and deformation of the ordinary materials of construction. *Four hours, spring term.*

104. **Hydrodynamics**—The mechanics of fluids, with special reference to liquids, but including also some applications to air and other gases. *Four hours, winter term.*

176. **Constructive Design**—A course for students of architecture. *Two hours, each term.*

Astronomy

UPPER DIVISION

101. **General Astronomy**—Descriptive in character, not involving mathematical discussions. Three lectures or recitations per week with an occasional evening of observation substituted for a lecture. *Three hours, winter and spring terms.*

102. **Practical Astronomy**—Determination of time, latitude, longitude, and azimuth by astronomical methods. A working knowledge of trigonometry is necessary. One lecture, one afternoon period and one evening period. *Three hours, spring term.*

MILITARY DEPARTMENT

Other than R. O. T. C.

LT. COL. JOHN LEADER, Professor of Military Science

MILITARY DEPARTMENT

Reserve Officers Training Corps

COL. W. H. C. BOWEN, U. S. A., Professor of Military Science and Tactics, Commandant.

LT. COL. RAYMOND C. BAIRD, U. S. A., Assistant Professor of Military Science and Tactics

LIEUTENANT EARL L. COOK, U. S. A., Assistant Professor of Military Science and Tactics, Quartermaster.

On January 6, 1919, the University established a Senior unit of the Reserve Officer's Training Corps. The primary object of establishing units of R. O. T. C. at civil educational institutions is to qualify students for Reserve Officers by systematic and standard methods of training. The system of instruction presents to the students a standardized measure of that military training which is necessary to prepare them to perform, intelligently, the duties of commissioned officers in the military forces of the United States, and it enables them to be thus trained with the least practicable interference with their civil careers. It is the aim of the University to maintain this unit of the R. O. T. C. in order that, in time of national emergency, it may do its share in furnishing educated men, trained in Military Science and Tactics, to officer and lead, intelligently, the units of the larger armies, upon which the safety of the country will depend.

The course prescribed for the first two years includes, in addition to the physical drill, instruction in Infantry Drill Regulations, both close and extended order; preliminary instruction in target practice; range practice, individual and collective; nomenclature and care of the rifle and equipment; topography; Field Service Regulations; bayonet instruction; first aid to the wounded; military history of the United States; elementary field engineering; signalling; marches; camps and military ceremonies.

For those who successfully complete the first two years of military instruction, there is offered an advanced course in military

sketching; minor tactics; field orders; map maneuvers; military administration; elements of international law; duties of commissioned officers; tactical problems; military law; study of American diplomacy; and lectures on the psychology of war and kindred subjects.

What the Government Offers to Members of R. O. T. C.

Each man will receive: (actual cost value)	
1 coat, wool, O. D.	$ 9.79
1 breeches, wool, O. D.	6.32
1 shoes, russet or marching	4.65
1 shirt, wool, O. D.	3.50
1 overcoat, O. D., short	13.56
1 leggins, pair, canvas	1.05
1 hat, service	2.00
1 hat cord	.09
1 belt	.23
2 collar ornaments	.07
chevrons	.57
Per year	$41.83

Additional for those attending summer camps:	
2 breeches, cotton, O. D.	$ 3.38
1 shoes, russet or marching	4.65
1 shirt, wool, O. D.	3.50
1 leggins, pair, canvas	1.05
1 hat cord	.09
	$14.67

In addition to the above, each student will be issued a rifle, 1 shelter tent half, and 1 set of field equipment, Model 1910.

Each man will receive in four years, property valued at
$4 \times \$41.83$ $167.32

Each man will receive in three summers, property valued at
$3 \times \$14.67$ ..... $ 44.01

Any member of the Senior division who has completed two academic years of service in that division, who has been selected for further military training by the President of the institution and the Professor of Military Science and Tactics, and who executes a written agreement to continue in the R. O. T. C. during the remainder of his course at the University, will receive commutation of subsistence fixed by the Secretary of War, which will amount to about forty cents per day. Two years of advanced military training cover a period of approximately five hundred and ninety days. The student would thus receive an allowance from the Government of about two hundred and thirty-six dollars ($236.00) for the additional time spent in the R. O. T. C.

An apportunity is also offered to qualified members of the R. O. T. C. to obtain a commission as Second Lieutenant of the Regular Army for a period not exceeding six months, with allowance for that grade and with pay at the rate of one hundred dollars ($100.00) per month.

Subjects of Instruction

Physical Drill—The primary object of this training is the development of health and bodily vigor, qualities absolutely essential to military efficiency as well as to the proper performance of civil pursuits. The system of training followed is that developed by Captain Herman J. Koehler, U. S. A., and used in the physical development of our armies during the recent war.

Drill Regulations—Infantry Drill Regulations is the foundation upon which the principles employed in the maneuver of troops in combat are based. The course prescribed in this subject will afford the student a working knowledge of these principles.

Target Practice—The course in target practice includes both indoor practice and work on the range. A gallery is provided in the Armory for indoor practice where the student is given preliminary instruction before he goes upon the range. Target practice on the range consists of firing a maximum of two hundred shots per student individually at ranges varying from two hundred to six hundred yards and collectively in platoon formation.

Topography—The course in topography provides instruction in map reading and military sketching of roads and defensive positions.

Field Service Regulations—The course in Field Service Regulations embraces subjects pertaining to the handling and maneuvering of troops in the theater of operations.

Military History of the United States—This includes that part of the history of the United States which pertains to the organization of our military forces since the beginning of our Government

and shows the development of tactics and strategy and how this development has been influenced by the invention of new armaments and so forth. It shows the military policy of our Government in the past and endeavors to show briefly the result of these policies at times of national emergency when it was necessary to mobilize the military forces of the country. The subject is extremely interesting from both an historical and a technical standpoint.

Elementary Field Engineering—This provides instruction in the preparation of Field Fortifications.

Signalling—The two methods of signalling, semaphore and wig-wag, are taught. To become proficient the student is required to signal as follows: (a) with two foot flag, general service code, three combinations of five mixed letters each, per minute, over a distance of one mile; (b) with semaphore flags, two arm semaphore code, eight combinations of five mixed letters each, per minute, over a distance of five hundred yards.

PHILOSOPHY

President Campbell Dean Fox

LOWER DIVISION

1. **Practical Ethics**—A discussion of the problems of college life with the men of the freshmen class.

Two hours, fall and winter terms.

2. **Practical Ethics and Vocational Problems**—For women. One-half of this course is devoted to a consideration of practical campus problems of everyday talk and conversation, one-half to a consideration of vocational opportunities in gainful occupation open to women. A large majority of these lectures are given by professional men and women, who speak from experience.

Three hours, any term.

UPPER DIVISION

101. **Introduction to Philosophy**—The aim of this course will be less the opening up of traditional technical fields of philosophy

than the forming of a habit of philosophizing. Accordingly, the method of procedure will be mainly by Socratic questions and free discussion. Students are, in general, advised to begin their work in philosophy with this course and should not take it before the second or third term of the sophmore year. *Four hours, spring term.*

102. **Logic**—A covering of the ground of the ordinary deductive and inductive logic, with a constant endeavor, however, to give the processes a living function, and to present the theory of thought in its modern terms. *Four hours, winter term.*

103. **Ethics**—A brief survey of historic types of practical morality and ethical theory, followed by a discussion of actual ethical problems. *Three hours, fall term.*

104. **History of Philosophy**—Ancient thought from Thales to Aristotle. *Three hours, fall term.*

105. **History of Philosophy**—From the Hellenistic period to the Renaissance. *Three hours, winter term.*

106. **History of Philosophy**—The modern period. *Three hours, spring term.*

107. **Philosophy of Religion**— *Three hours, fall term.*

108. **Special Aesthetics**—The evolution of the European aesthetic consciousness, especially as recorded in the supreme masterpieces of literature, from Homer to the nineteenth century. Each member of the class is required to produce a paper, based on a special study, from the point of view of the purposes of the course, of some relevant piece of great literature, preferably in a field with which he is already familiar, and in consultation with the professors of the department in which the piece of literature falls. Lectures and assigned reading. Properly a senior course. *Three hours, winter term.*

109b. **Philosophy of History**— *Three hours, winter term.*

109c. **Present Day Thought**—With special reference to the philosophies of James, Eucken and Bergson. Lectures and assigned reading. A senior course. *Three hours, spring term.*

PHYSICAL EDUCATION AND ATHLETICS FOR MEN

DEAN H. WALKER W. L. HAYWARD C. H. HUNTINGTON

SPECIAL ASSISTANTS

ELLWYN RUTHERFORD BOYD HAYNES HAROLD C. GREY

It is the purpose of this department first, to arouse in every man of the University community an individual appreciation of the many benefits possible under a proper physical education program to such an extent that he will co-operate, persistently and conscientiously, in the carrying out of such a program as it affects him personally. Second, to provide the facilities for the carrying out of such a program. Third, to train instructors who can successfully carry this same program into the schools. Fourth, to assist in every possible way in the development of the right sort of athletics in the schools of the state.

The activities are divided into Varsity, Freshman and Intra-Mural athletics, and regular class work.

The Varsity and Freshman athletics are conducted as student activities, under the rules of the Pacific Coast Conference, and special rules of the University. This necessitates amateur standing, satisfactory collegiate work and many other progressive and beneficial requirements. Every participant must prove his physical fitness by a medical examination. At all times these specialized teams are under the care of experts. The University has been especially progressive in the development of its athletic policies and the resulting legislation and improved procedure have rapidly removed the objectionable features, and undoubted benefits now result both to the individual participant and the students at large. Backed by a splendid spirit and skillful coaching the teams have been unusually successful.

An elaborate program of intra-mural athletics is being carried out. As a result of co-operation between the various student organizations and the department, a continuous series of games, tournaments, etc., is under way, covering practically every branch of athletics and including the participation of every student. The advantages of this are so obvious that those interested can only be gratified at

this rather recent development and the knowledge that it will be encouraged to the greatest possible extent.

The regular class work covers the entire field of games, both indoor and outdoor, in season, besides boxing, wrestling, swimming, gymnasium floor and apparatus work, depending on the needs of the individual, and at all times under the supervision of competent instructors. Two hours a week for two years is required of this work from all students. Each student is given a medical examination upon entering college and as often thereafter as necessary. The results of this examination, together with other instructive information, are presented to the student with the hope that he may more fully realize his weaknesses and the possibilities of great permanent benefit to be gained by following the plan outlined for him. Each case will be given individual consideration before the work is outlined, and changes made from time to time if later examinations show a need. To complete the two year compulsory requirements of this department, each student must pass tests in swimming, running, jumping, strength, mental alertness, personal initiative, etc. Because of a belief that competitive games give pretty largely the same physical development as the more formal gymnasium work, and, in addition great mental and moral benefits, they will be used as much as possible in the gymnasium classes. True sportsmanship and a development of individual initiative and skill, will be insisted on. For outdoor work, the department has Kincaid field, consisting of a gridiron, surrounded by a quarter-mile track and bleachers of a seating capacity of 8000; a separate baseball diamond south of Kincaid field, together with an intra-mural field; and six tennis courts with others in prospect. In addition a 34-acre tract has been set aside as an athletic field and its development for this purpose will readily be pushed to completion, when it will provide ample space for all seasonable outdoor games for all the students. The Eugene Country club has a splendid golf course convenient to the University.

The gymnasium is fitted with all modern gymnasium apparatus. The main hall is 59 by 106 feet, with a 20-foot ceiling. On the same floor are the offices, a room for anthropometry, and a tube hand ball court 20x20x50. There is also a gallery for spectators with a seating capacity of 450. Eight feet above the gallery is a 16-lap cork track, nine feet wide. The basement is fitted up with steel

lockers, shower baths, a white tile swimming pool 30x60 feet with a depth of 3½ to 9 feet, and special rooms for supplies, towels and first aid. In addition, an open air annex has recently been completed with a main floor 83x120 feet. This is divided by movable partitions into three rooms, each a regulation tennis court or basketball court, and adequate for indoor baseball. The upper story, which will probably be finished during the summer, will provide space for handball, volleyball, squash, boxing, wrestling, fencing, bowling, etc. A locker fee of $1.00 per term covers the use of a locker, clean towels and all equipment.

All the facilities of the department are offered to the schools of the state. Superintendents, athletic directors, captains and managers are urged to present their problems. They will be answered as soon as possible. Series of championship contests between the high schools of the state under University auspices are being developed. The first of these events have been very successful, and it is the opinion of those concerned that they are having a very desirable effect.

Special Announcement of a Complete Teachers' Course in Physical Education and Athletics—*The importance of this work, brought out by the war and followed by special legislation in this state, has created a great demand for trained teachers of the right type. To meet that demand, the work of this department will be co-ordinated with the other essential departments on the campus, and such additions made in faculty and equipment as are necessary to offer in the fall term of 1919 a complete course for prospective teachers in this line, covering all the educational, medical, psychological, physical education, gymnasium and athletic work desirable. For special information write to the director of this department.*

Courses

1. **Elementary Gymnasium Class**—Required of Freshmen. Covers the entire field of seasonable indoor and outdoor games, boxing, wrestling, swimming, simple apparatus work, etc. The student is assigned to the branch which best fits his individual needs.
Two hours, each term.

2. **Secondary Gymnasium Class**—Required of all Sophomores. The same range of work as in Course 1, but special care is taken to prevent unbalanced development by over-emphasizing one branch. *Two hours, each term.*

3. **Personal Hygiene**—A general course for freshmen. *One hour, each term.*

4. **Special Corrective Class**—After examination each student is assigned to work desirable for the treatment of defects discovered. This is substituted for 1 or 2, thus requiring two hours a week, but more time will usually be recommended. *Two hours, each term*

101. **First Aid, Training and Conditioning**—Designed for the coach who must also be his own trainer. Use of bandages and simple medicines, etc. Diet and routine work for conditioning men in different sports. *One hour, each term.*

102. **High School Coaching**—A complete course in the theory and practice of coaching of athletic teams. Emphasis is placed on different games in order of their importance and in their season. *Two hours, each term.*

PHYSICS

Professor BOYNTON — Professor CASWELL

Mr. TAYLOR — Mr. HAYS

Courses 1, 2 and 3 are the most elementary work offered by the department, and open to all students, whether they have taken physics in the high school or not. They aim to give a knowledge of the principles underlying the phenomena of every-day life. The assignment of experiments in the laboratory is varied, according to the previous preparation of the student, or to meet special needs or interests.

Courses 4, 5 and 6 presuppose a year of high school physics. They are particularly intended for students specializing in physics, mathematics and chemistry, and are prescribed for students preparing for

architecture or medicine, but are adapted to others wishing a strong general course. These courses, or, in exceptional cases, Courses 1, 2 and 3, should precede any of the more advanced courses offered by the department.

Students intending to make Physics their major subject should take in the Lower Division Courses 4, 5, 6, and if possible General Chemistry and Mathematics, including the Calculus.

Prospective teachers of high school physics should include in their program Courses 4, 5, 6, 105 and 110.

A fee of $2.00 is required for each term hour of credit.

Pre-Engineering Course

Students entering the best engineering schools often take from two to four years of work in liberal acts as a foundation for their professional work. For such the following pre-engineering course has been outlined:

First Year

English	9 hours
Foreign Language	12–15 hours
Mathematics	12 hours
Chemistry	12 hours

Second Year

Foreign Language	9–12 hours
Mathematics	12 hours
Physics	12–15 hours
Mechanical Drawing	6 hours

In the Upper Division such selections may be made from the following list of courses as will best prepare for the particular line of engineering which it is desired to enter.

Differential Equations	6 hours
Applied Mathematics	6 hours
Analytical Mechanics	9 hours
Applied Mechanics	9 hours
Theory of Elasticity	4 hours
Hydrodynamics	4 hours
Constructive Design	6 hours
Descriptive Geometry	6 hours
Graphic Statics	3–6 hours
Analytical Chemistry	9–12 hours
Advanced Inorganic Chemistry	6–12 hours
Advanced Analytical Chemistry	6–12 hours
Physical Chemistry	12 hours
Electrical Measurements	9 hours
Electron Theory	9 hours
Thermodynamics and Molecular Physics	8 hours
Geology	18–24 hours
Mineralogy and Petrology	6–12 hours
Economics	10 hours

LOWER DIVISION

1. **Essentials of Physics**—Mechanics, molecular physics and heat. A general non-mathematical course, open to all students. Lectures, recitations and one laboratory period per week. Tuesday, Thursday and Friday at 10:00 o'clock. Laboratory one afternoon. Professor BOYNTON. *Four hours, fall term.*

2. **Essentials of Physics**—Magnetism and electricity. A continuation of Course 1, open to all students. The same hours and days. Professor BOYNTON. *Four hours, winter term.*

3. **Essentials of Physics**—Sound and light. A continuation of Course 2, open to all students. The same hours and days. Professor BOYNTON. *Four hours, spring term.*

4. **General Physics**—Simple measurements, mechanics, molecular physics and heat. Intended for students who have had physics in the high school. Monday, Tuesday and Thursday at 11:00 o'clock. Laboratory and problems one or two afternoons. Professor CASWELL. *Four or five hours, fall term.*

5. **General Physics**—A continuation of Course 4, taking up magnetism and electricity. The same hours and days. **Professor** CASWELL. *Four or five hours, winter (or spring) term.*

6. **General Physics**—A continuation of Course 5, taking up sound and light. The same hours and days. Professor CASWELL. *Four or five hours, spring (or winter) term.*

UPPER DIVISION

101. **Sound**—A more extended treatment than that given in the general courses, intended especially for students of music. Textbook, experimental lectures and a very complete collection of lantern slides. Considerable attention is given to the scientific basis of harmony and music, and to the physics of musical instruments. May be advantageously taken in connection with the course on the Psychology of Music. Professor BOYNTON. *Three hours, fall term.*

103. **Photography**—Pre-requisites, Physics 3 or 6, and some familiarity with elementary chemistry. A study of photographic methods and appliances, including lenses, sensitive plates and their treatment, and the common photographic papers. Wednesday and Friday at 11:00 o'clock. Laboratory, one afternoon. Professor BOYNTON. *Three hours, spring term.*

105. **History and Teaching of Physics**—Especially for prospective teachers of high school physics. Monday, Tuesday and Thursday at 11:00 o'clock. Professor BOYNTON. *Three hours, winter term.*

107. **Electrical Measurements**—Pre-requisites, a year of College Physics and some acquaintance with the Calculus. Laboratory and lectures, mainly on direct currents, including a study of standards, the calibration of commercial instruments by the potentiometer, the intensity and distribution of illumination and the efficiency of incandescent lamps, and the magnetic properties of iron. Not given in 1919-20. Professor BOYNTON. *Three hours, fall term.*

108. **Electrical Measurements**—A continuation of Course 107, taking up the measurement of inductances, and an introduction to alternating current theory and measurement. Not given in 1919-20. Professor BOYNTON. *Three hours, winter term.*

109. **Electrical Measurements**—A continuation of Courses 107 and 108, taking up the measurement of capacity and a discussion of transient electrical phenomena, electrical oscillations and waves, and wireless telegraphy. Not given in 1919-20. Professor BOYNTON.
Three hours, spring term.

110. **Physical Technics**—The administration of the physical laboratory, and the construction, adjustment, repair and manipulation of physical apparatus, including a study of home-made apparatus for high school laboratories, the elements of glass working, etc. Lectures, assigned readings and laboratory. Hours to be arranged. Professor BOYNTON. *Two hours, any term.*

111. **Electron Theory**—The first term of a year course dealing with the phenomena of cathode and canal rays, X-rays, ionization of gases, photoelectric effect, radioactivity, thermo-electricity, metallic conduction and related topics from the standpoint of the electron theory. Pre-requisities, a year of college physics, and some familiarity with elecentary chemistry. Two lectures and one laboratory period. Professor CASWELL. *Three hours, fall term.*

112. **Electron Theory**—A continuation of Course 111. The same hours and days. Professor CASWELL.
Three hours, winter term.

113. **Electron Theory**—A continuation of Course 112. Professor CASWELL. *Three hours, spring term.*

114. **Cosmic Physics**—A treatment of the physical phenomena presented by the earth, atmosphere and celestial universe, such as air and ocean currents, distribution of temperature and moisture, weather observations and prediction, terrestial magnetism, aurora and sun spots. Not given in 1919-20. Professor CASWELL.
Three hours, fall term.

115. **Theory of Light**—Lectures with experimental illustration. Problems relating to the theory of optical instruments, treated by the method of Geometrical Optics, and of the wave theory. Two lectures and one laboratory period. Not given in 1919-20. Professor CASWELL. *Three hours, winter term.*

116. **Theory of Light**—A continuation of Course 115. Not given in 1919-20. Professor CASWELL. *Three hours, spring term.*

117, 118, 119. **Selected Topics**—Under this title the department offers occasional courses, either on recent advances in science, or on topics of timely interest. Professors BOYNTON and CASWELL.

121. **Thermodynamics**—A study of heat and related forms of energy, as applied to ideal gases, saturated vapors and other simple types of substances. Especially for students of physics and physical chemistry. Professor BOYNTON. *Four hours, fall term.*

122. **Molecular Physics**—A continuation of Course 121, including the kinetic theory of gases and liquids, the deduction and further discussion of van der Waals' equation and the theory of solutions. Professor BOYNTON. *Four hours, winter term.*

124, 125, 126. **Advanced Laboratory and Thesis**—Professors BOYNTON and CASWELL.

GRADUATE COURSES

201, 202, 203. **Advanced Theoretical Physics**—Lectures and assigned readings. The topics treated will be varied from year to year to suit the needs of the students. Hours to be arranged. Professors BOYNTON and CASWELL.

204, 205, 206. **Advanced Laboratory, Research and Thesis**—Qualified students will have all the facilities of the laboratories placed at their disposal and will receive the advice and assistance of the department. Hour to be arranged. Professors BOYNTON and CASWELL.

207, 208, 209. **Seminar and Journal Club**—Conferences and reports on assigned topics and current periodical literature. Hours to be arranged. Professors BOYNTON and CASWELL.

To be recommended as a teacher of Physics a student should take Courses 4, 5, 6 (or 1, 2 and 3), 105 and 110.

POLITICAL SCIENCE

Professor BARNETT

LOWER DIVISION

1. **American National Government**—The National government with special attention to practical operations and contemporary reforms. Monday, Tuesday, Thursday and Friday at 10 o'clock. *Four hours, fall term.*

2. **American State and Local Governments**—The state and local governments, with special attention to practical operations and contemporary reforms in Oregon. Monday, Tuesday, Thursday and Friday at 10 o'clock. *Four hours, winter term.*

3. **European Governments**—The organization and operation of the governments of England, France, Germany, and Switzerland, with special attention to the government of England. Monday, Tuesday, Thursday and Friday at 10:00 o'clock. *Four hours, spring term.*

4. **Introduction to Law**—An introductory study of the nature and sources of law, the history of English and American law, and the organization and operation of the courts, followed by a general consideration of the principal branches of the common law. Practice in the use of cases. Tuesday, Wednesday, Thursday and Friday at 9:00 o'clock. *Four hours, fall term.*

UPPER DIVISION

101. **Constitutional Law**—A study of the federal constitution as interpreted by the courts. Chiefly a discussion of leading cases. It is desirable that this course be preceded by Political Science 4. Monday, Tuesday, Wednesday, Thursday and Friday at 9:00 o'clock. *Five hours, winter term.*

102. **Law of Officers**—The principles of the law of public officers. Chiefly a discussion of leading cases. Open to students credited with at least one course in law. Tuesday, Wednesday, Thursday and Friday at 9:00 o'clock. *Four hours, spring term.*

103. **Law of Municipal Corporations**—The principles of the law of municipal corporations. Chiefly a discussion of leading cases. Open to students credited with at least one course in law. Monday, Tuesday, Wednesday and Friday, at 8:00 o'clock.

Four hours, winter term.

104. **International Law**—The principles of international law. It is desirable that this course be preceded by Political Science 4. Monday, Tuesday, Wednesday and Friday at 8:00 o'clock.

Four hours, spring term.

105. **City Government**—The organization and operation of city government in France, Prussia, England and the United States, with special attention to contemporary reforms in the United States. Monday, Tuesday, Wednesday and Friday at 8:00 o'clock.

Four hours, fall term.

106. **Political Theory**—A study of the main concepts of political theory, mostly from the works of modern writers. Monday, Tuesday, Wednesday and Friday at 8 o'clock. (Omitted 1919-20.)

Four hours, spring term.

PSYCHOLOGY

Professor CONKLIN Miss HAGER Professor WHEELER

Courses in this department are not open to freshmen except in special cases. (See Course 1a.)

Students preparing for major work in psychology should consult with some member of the psychology staff as early in their lower division work as possible.

LOWER DIVISION

1. **Elementary General Psychology**—Lectures, discussions and classroom demonstrations covering in a general way the elements of consciousness, their relation to the nervous system and the phenomena of sensation, habit, attention, association, perception, imagination, memory, judgment, reasoning, instinct, emotion and will. Pre-re-

quisite to all other courses in this department, except Courses 106 and 118. This course may be taken with or without laboratory. Given in two sections. Section A. Monday, Wednesday, Friday, at 9:00 o'clock. Section B. Monday, Tuesday, Thursday, at 11:00 o'clock. Laboratory periods to be announced. Professor CONKLIN, Professor WHEELER and Miss HAGER.

Three or four hours, each term.

1a. **Elementary General Psychology (short course)**—When the demand warrants there will be offered for one term a briefer course in elementary psychology following the general plan of Course No. 1. This course will be accepted as satisfying the pre-requisite for advanced courses in this department. Offered fall term 1918-19. Miss HAGER. *Four or five hours, one term.*

UPPER DIVISION

103a. **Systematic Psychology**—Given for advanced undergraduates, major and graduate students. Fall term; physiological psychology, a thorough systematic review of the structure and functioning of the nervous system and physiology of the sense organs in so far as is necessary for an understanding of human behavior; recent studies of muscular and organic reflexes from the experimental works of Sherrington, Cannon, Pavlov and others. Winter term, historical and detailed studies of the more vital problems in experimental psychology, such as attention, affection, feelings, emotions, sensation, memory, learning, reasoning and will. The most recent literature available is used as the basis of lectures. Spring term,—a comparative study of various psychological systems, including modern tendencies toward behavioristic interpretations of mental life. References are made to James, Angell, Wundt, Ribot, Watson, Titchener, Calkins, Prince and others. Particularly adapted to give pre-medical and other students a working knowledge of biological and behavioristic interpretations of mental life. Open to seniors and graduate students without pre-requisite. Students admitted each term. Tuesday, Thursday and Friday at 10 o'clock. Professor WHEELER.

Three hours, each term.

103b. **Advanced Laboratory**—Supplementary to 103a and like it designed for advanced undergraduates, for students majoring in psychology, and for graduate students. Laboratory experiments are performed in sensation, imagery, affection, attention, memory, reaction times, learning, and in the higher thought processes. The aim of these experiments is to give the student a thorough training in laboratory methods. From time to time seminars will be held in which the results will be discussed and criticised and compared with work done in other psychological laboratories. Two laboratory periods each week. Hours to be arranged. Professor WHEELER.

Two hours, each term.

104. **Abnormal Psychology**—Designed especially for pre-medical students and for majors in physical training. Aphasia, amnesias, hysteria, dual personality, trance states, telepathy, theories of the subconscious, sleep, dreams, hypnosis, dissociations, fixed ideas, psychotherapy, and the common types of insanity will be presented by means of lectures, discussions and text book work. Elementary psychology is a pre-requisite. Monday, Tuesday and Thursday at 11 o'clock. Professor CONKLIN. *Three hours, winter term.*

105. **Mental Hygiene**—This course is the complement of No. 104. It covers the conditions of efficient mental activity so far as they have been determined, the methods and results of the studies of mental fatigue, the hygiene of the emotions and of the intellectual processes, and the causes and prevention of insanity. Elementary psychology is a pre-requisite. Tuesday, Wednesday and Thursday at 8:00 o'clock. Professor CONKLIN. *Three hours, spring term.*

106. **Adolescence**—Genetic psychology in its broadest aspects is here studied, with especial emphasis upon the psychological characteristics of adolescence and their relations to psychology, anthropology, sociology, crime, religion, philosophy and education. G. Stanley Hall's Adolescence is used as a textbook. Open to qualified juniors and seniors. Tuesday, Wednesday and Thursday at 8:00 o'clock. Professor CONKLIN. *Three hours, fall and winter terms.*

107. **Research and Thesis**—Designed for advanced students in laboratory technique. Courses 1 and 103 are indispensable pre-requi-

sites. Special training is given in methods of research by participation in original researches under the personal direction of the instructor. Hours to be arranged. Professor CONKLIN and Professor WHEELER. *Two or three hours, each term.*

108. **Mental Measurements**—Designed to introduce the student to the literature, methods and results of mental testing; to provide individual training in use of tests, to familiarize students with applications of statistical methods to mental measurements. Given with reference to use of mental tests and examinations in the United States Army and to current commercial applications of psychology in the selection of employes. Emphasis is placed on measurements of adult intelligence, both normal and defective, also on tests for individual differences, for special aptitudes or inaptitudes of the individual as far as appropriate psychological progress has been made. Designed for major and graduate students in psychology, students in education and pre medics who wish to acquire a working knowledge of mental measurements, and for students in commerce who are interested in the applications of test methods in business. Elementary psychology a prerequisite. Tuesday, Wednesday and Thursday at 8:00 o'clock, laboratory 1-4 Wednesday. Professor WHEELER and Miss HAGER. *Four hours, spring term.*

118. **Psychology of Advertising**—Designed primarily for majors in Journalism and Commerce and open to such students without pre-requisite. A rapid but fairly intensive survey of the phenomena of attention, perception, memory and action, with predominant emphasis on their applications to advertising. About half of the time is devoted to laboratory and demonstration work in which advertisements appearing in the current magazines and newspapers are inspected for the psychological principles underlying their effectiveness. Hours to be arranged for cooperation with work in Commerce and Journalism. Usually given in the winter term. Miss HAGER. *Three hours, one term.*

119. **Psychological Literature**—This course is designed for majors and other advanced students who need and desire opportunity for extended reading on special subjects in the literature of psy-

chology. Subjects will be chosen according to the interests and needs of the students registering. The lecture work will be upon appropriate subjects. At least one hour of each week will be devoted to reports by the students upon the reading which they have done. At least two courses in psychology as well as evidence of ability to profit by this course are pre-requisite. Tuesday, Thursday and Friday at 10:00 o'clock. Professor CONKLIN. *Three hours, spring term.*

120. **Comparative Psychology.**—A study of the behavior of living organisms with a comparison of the mental life of animals with that of man. Some problems of animal training and the evolutionary development of mental life through the animal kingdom will be discussed. A thorough training is given in methods of animal experimentation and in the results of the more important researches in this field. (This course was necessarily omitted during the war and may not be given for another year at least.) Professor WHEELER.

Three hours, one term.

121. **Psychology of Music**—Designed for students in music and given as a sequel to Professor Boynton's course on sound. The following are among the topics presented: Audition in general, origin of music, musical enjoyment, phases of mental equipment contributing to musical talent, applications of general psychology to the memorizing and teaching of music and to the playing of musical instruments, and some aspects of the psychology of musical appreciation. (This course was necessarily omitted during the war but may be offered during 1919-1920.) Professor WHEELER.

Three hours, one term.

For courses in educational psychology see announcement of the Department of Education.

GRADUATE COURSES

Courses 103a, 103b, 104, 105, 106, 107, 108 and 119 are designed for advanced undergraduates or for graduate students Where they are taken for credit toward the advanced degree, special assignments will be given.

Laboratory Fees

A laboratory fee of $2.00 per term is charged for all laboratory courses. This is to cover the cost of supplies consumed and the repair of apparatus.

Laboratory Equipment

The psychological laboratory is now well equipped for practice or for advanced work. It consists of a suite of nine rooms in McClure Hall. All of the rooms are connected by an inter-communicating system of wires and speaking tubes, so that isolation of students for delicate work is easily accomplished; all are supplied with gas, compressed air and power circuits. One of the small rooms is commodious enough for seminary and small class purposes, and another can readily be made absolutely dark for adaptation purposes. The laboratory has a considerable store of the more simple apparatus and some of the more complex pieces. Each year additions are made of the best modern construction. For demonstrational work in connection with the courses and for laboratory practice the equipment of apparatus is already good, making it possible to illustrate and reproduce the principal methods of experimental study of the sensations, attention, emotional expression, fatigue, reaction times, learning, memory, the higher intellectual processes, and mental testing.

PUBLIC SPEAKING

Professor Reddie — Professor Prescott

Miss Banfield — Miss Dorsey

The study of the speech arts has become one of the most important factors in education for the reason that, no matter what one may know, one's knowledge is of comparatively small value to others unless one can express oneself not only intelligently, but with effectiveness and grace of manner as well.

To this end the work of this department is divided into the following sections:

(a) Voice training.

(b) Extempore speaking and debate.

(c) Dramatic interpretation.

(a) The work in voice-training covers the anatomy of the speech-producing organs, the control of pitch, the establishment of volume, the regulation of intensity and the development and growth of quality, together with the application of these properties of sound to the practical enrichment of the voice as a whole.

(b) The courses in Oratory, Debate and extempore speaking cover a wide range. Students are early impressed with the basic necessity of having facts, of clear and cogent thinking upon them, of careful phrasing of ideas, of making an analysis which fits subject-matter and treatment to the audience, and of using methods of proof which realize the greatest value from facts. As students begin to show a grasp of these fundamentals, the adjuncts of effective delivery are gradually added.

(c) Regarding the work in the practical interpretation of the drama it is conceded that there is perhaps no branch of training in public address which is of more vital service to the individual, for it calls into action not only every phase of vocal expression, but demands an intimate acquaintance with all of the allied arts and their practical application. The person who has performed a part in a good play has not only lived literature, but is better able to teach it, and as a writer has gained an experience that he cannot afford to miss, for he has made tangible his mental images.

The department has its own theater. In its cozy quarters the students engage in the making and decorating of scenery, costumes and properties, as well as engaging in the oral interpretation of plays before the public. In this way they prepare themselves for the direction, as future teachers, of high school drama, for which work, in certain courses, two hours credit on the required hours in education is allowed. In addition they receive thorough training for any kind of public performance involving oral expression.

The courses offered in this department are as follows:

LOWER DIVISION

1a. **Extempore Speaking**—A foundation course in practical public speaking. A study in the selection, organization, and presentation of speech material. Lectures, extempore speeches, class discussions, wrangles. Open to Freshmen. Professor PRESCOTT.

Three hours, fall and winter terms.

1b. **Extempore Speaking**—A continuation of Course No. 1. Open to those who have had Course 1a. Professor PRESCOTT.

Three hours, winter and spring terms.

3. **Parliamentary Law**—A study of the rules of order governing the transaction of business in popular assemblies. Professor PRESCOTT. *Two hours, each term.*

4. **Argumentation and Debate**—A study of the theory and practice of debating. Professor PRESCOTT.

Three hours, winter and spring terms.

5. **Voice Culture**—Open to those who have passed Course 1 or 6, or to such students as have done satisfactory work in either of these courses during the preceding term. Tone, color and literary analysis. Interpretation of standard literature. In this course work is given for the strengthening and development of the various properties of the speaking voice, with an especial view toward arousing color sense in interpretation. Professor REDDIE.

Four hours, winter term.

6. **Dramatic Interpretation**—First-year work. Open to freshmen or others who have not had this course. A practical course in platform manner, voice, sight-reading, interpretation of character from standard drama, gesture, makeup, scenic effects, property-manufacture and stage decoration. The course is valuable to all persons who expect ever to appear in public in any way whatever, as it covers all the fundamentals of free expression, and gives the stu-

dent an opportunity to rid himself of undue reserve, timidity or nervousness before an audience. It is the pre-requisite of all further work in dramatic interpretation. Professor REDDIE and Miss BANFIELD. *Four hours, fall and winter terms.*

7. **Dramatic Interpretation**—A course in the practical study of the drama. Open to those who have had Course 6, or who, upon examination, are able to demonstrate their fitness for this course. Interpretation of modern and classic plays. Study of costume, period decoration, manners and customs, musical, lighting and color effects; stage carpentery, properties and makeup. Technique of interpretation. The members of this class, directed by instructors and fourth-year students, present one-act plays, doing the costuming, makeup and stage effects themselves. The best four of these one-act plays are given public production. Professor REDDIE and Miss BANFIELD. *Four hours, each term.*

8. **Dramatic Interpretation**—A continuation of Course 7, and open to those who have successfully passed it, or to those who, upon examination, are found capable. In the year's work plays are regularly presented in public. These involve the most careful attention to detail, and are given with all the care and organization of any formal performances. Especial attention is paid to the audience side as well, hostesses from the classes being selected, and the proper lighting and decorative effect of the auditorium studied so as to present a harmonious whole. Professor REDDIE and Miss BANFIELD. *Four hours, each term.*

UPPER DIVISION

101. **Advanced Dramatic Interpretation**—Open to those who have made satisfactory grades in Course 8. Advanced work devoted to the study and production of classical drama. Students in this course have the opportunity of directing plays produced in Course 7, also assisting in the production of the public performances. Professor REDDIE. *Four hours, each term.*

102. **The Company**—This class is an honor class, composed of students who are able to hold the grade of "H" in this work. They

may be taken from any of the courses, and no discrimination is made as to class, a freshman being entitled to membership equally with upperclassmen, provided the requirements are strictly fulfilled. The number in this class is limited to twelve. Regulations governing admission furnished upon application by the department head. Professor REDDIE. *Five hours, each term.*

103. **Teachers Course in Play Producing**—A course adapted to the needs of those who may be called upon to organize and produce entertainments, plays, pageants, etc., in secondary schools. Professor REDDIE. *Three hours, fall term.*

104. **Advanced Voice Culture**—In this course especial emphasis is placed upon the use of English as a conversational language. The effort will be to establish a cultural ideal as to tone, pronounciation, quality and character. A course particularly recommended to prospective teachers, lawyers or others intending to establish themselves in a professional career. Professor REDDIE.

Two hours, fall and winter terms.

105. **Advanced Public Speaking**—An intensive study of the principles governing effective speech in conversation, formal and informal debating, extempore and set addresses. This course is designed especially for intercollegiate orators and debaters and for majors in the department. Open to any student who has had Courses 1a, 1b, and 4. Professor PRESCOTT.

Three, four or five hours, each term.

106. **Seminary**—Teachers' problems. Public speaking in high schools. The fixing of an ideal of speech; arousing and sustaining interest; organizing the school for persistent and intelligent study. Professor PRESCOTT. *Three hours, spring term.*

Note—In all courses in Dramatic Interpretation there is a laboratory fee of $1.50 per term, payable in advance. This fee covers makeup materials, costume rental and typewritten parts.

ROMANCE LANGUAGES AND LITERATURES

Professor CLORAN Miss GRAY Mrs. ZIMMERMAN

ROMANCE LANGUAGES

Students who intend to major in Romance Languages must take French 1 and 2, or Spanish 11 and 12. In the upper division the following courses are required for a major: French 103, 104 and 105, or Spanish 113, 114 and 115.

LOWER DIVISION

1. **Elementary French**—Grammar, pronunciation, composition, conversation, translation of modern French authors. Daily at 9:00 o'clock. Professor CLORAN. *Five hours, each term.*

2. **Advanced French**—Grammar, composition, conversation, translation of modern French authors. Monday, Tuesday, Thursday, Friday at 10:00 o'clock. Professor CLORAN *Four hours, each term.*

11. **Elementary Spanish**—Espinosa's Spanish grammar, composition, conversation, translation of modern authors. Daily at 8:00 and 9:00 o'clock. Mrs. ZIMMERMAK. *Five hours, each term.*

12. **Commercial Spanish**—Composition, conversation, translation. Monday, Tuesday, Thursday, Friday at 10:00 o'clock Mrs. ZIMMERMAN. *Four hours, each term.*

UPPER DIVISION

103. **French Literature**—Reading of French authors of the nineteenth century. History of French literature. Monday, Tuesday and Thursday at 11:00 o'clock. Professor CLORAN. *Three hours, each term.*

104. **French Literature**—Reading of French authors of the seventeenth and eighteenth centuries. Professor CLORAN. *Three hours each term.*

Courses 103 and 104 are given in alternate years.

105. **Advanced French**—Conversation and composition (oral and written). The principles of pronunciation. Monday, and Friday at 8:00 o'clock. Professor CLORAN. *Two hours, each term.*

113. **Spanish Literature**—Reading of nineteenth century authors. Tuesday, Wednesday and Thursday at 8:00 o'clock. Professor CLORAN. *Three hours, each term.*

114. **Spanish Literature of the Seventeenth Century**—Reading of selected works of Lope de Vega, Calderon and Cervantes. Professor CLORAN. *Three hours, each term.*

Courses 113 and 114 are given in alternate years.

115. **Advanced Spanish Composition and Conversation** (oral and written). Mrs. ZIMMERMAN. *Two hours, each term.*

120. **Elementary Italian**—Grammar, pronunciation, composition. Professor CLORAN. *Three hours, each term.*

130. **Elementary Portuguese**—Branner's Portuguese grammar. Reading of prose and poetry. Open to students who have had two years of Spanish. Professor CLORAN. *Three hours, third term.*

GRADUATE DIVISION

206. **Old French**—Reading of selected texts. Professor CLORAN. *Two hours, third term.*

207. **History of French Literature** with reading of selections from the great writers. Professor CLORAN. *Three hours each term.*

This course is given every other year.

220. **Advanced Italian**—The classic period of Italian literature. Readings from Dante, Boccaccio and Petrarch. Professor CLORAN. *Two hours, each term.*

223. **Dante and Tasso**—The works of Dante and Tasso in English translations. Professor CLORAN. *Two hours, each term.*

High school students who have had two years of French or Spanish are put in the second year work unless they have made very good

records. Students are admitted to any of the advanced courses in French and Spanish, if they have sufficient preparation. They should consult the instructor.

Recommendations of Teachers

Students who are planning to teach either French or Spanish should take the following courses:

French

	Catalogue No. of Course.	Term Hours.
Elementary French	1	15
Advanced French	2	12
French Literature	103	9
French Literature	104	9
French Composition	105	6

Spanish

Elementary Spanish	11	15
Advanced Spanish	12	12
Spanish Literature	113	9
Spanish Literature	114	9
Spanish Composition	115	6

ZOOLOGY

Professor Bovard — Professor Edmondson

Laboratory Assistants:

Ada Hall — Madeline Slotboom — Elizabeth Peterson

Joy Judkins — Joseph D. Boyd

(a) **Introductory Courses** in general zoology and elementary physiology for students seeking general culture. General Biology, Zoology, 1a, 1b, 1c, 4 and 6.

(b) **Teachers' Courses** for those who expect to teach science in the high schools, more especially physiology. General Biology, Zoology 1a, 1b, 1c, 4 and 6.

(c) **Advanced Courses** in Zoology, Anatomy and Physiology for students making Zoology their major and for those in the pre-medical department.

(d) **Pre-Medical Courses**—Beginning January 1, 1918, the minimum requirement for admission to acceptable medical schools, in addition to the high school work specified above, will be sixty semester hours of collegiate work, extending through two years, of thirty-two weeks each, exclusive of holidays, in a college approved by the Council of Medical Education. The subjects included in the two years of college work should be in accordance with the following schedule:

SCHEDULE OF SUBJECTS OF THE TWO-YEAR PRE-MEDICAL
Sixty Semester Hours* Required

Required Subjects:	Semester Hours	Equivalent Term Hours
†Chemistry (a)	12	18
Physics (b)	8	12
Biology (c)	8	12
English composition and literature (d)	6	9
Other nonscience subjects (e)	12	18
Subjects Strongly Urged:		
French or German (f)	6–12	9–18
Advanced botany or advanced zoology	3– 6	5– 9
Psychology	3– 6	5– 9
Advanced mathematics including algebra and trigonometry	3– 6	5– 9
Additional courses in chemistry	3– 6	5– 9
Other Suggested Electives:		
English (additional), economics, history, sociology, political science, logic, mathematics, Latin, Greek, drawing.		

*A semester hour is the credit value of sixteen weeks' work consisting of one lecture or recitation period per week, each period to be not less than fifty minutes net, at least two hours of laboratory work to be considered as the equivalent of one lecture or recitation period.

†The University of Oregon Medical School requires organic chemistry.

Reprinted from the Journal of the American Medical Association Feb. 23, 1918, Vol. 70, pp. 559-560

The Pre-Medical Course and the Relation to Other Departments—As the two-year pre-medical course is made up largely of required science work and as the four years of medical studies are scientific altogether, it is urged that students take as much as possible of their electives in the social science and language groups. This overloading is only apparent in the minimum preparatory course of two years, for in the three or four year courses the required elementary subjects have been completed and ample time is given to take other than science courses, and at the same time to continue training in scientific methods.

Pre-Medical Courses Given at the University of Oregon—The aim of the course as outlined below is first to satisfy the requirements of the American Medical Association, and the second to give the student the very best training to fit him for his future work. It is distinctly understood the courses taken at Eugene are not a duplication of the work given in the medical school and that they are intended to give the elements on which future work will be founded.

Two-Year Pre-Medical Course

The following course has been authorized by the faculty. All students taking pre-medical courses that do not conform to the one outlined below will be held for the regular group requirements. (See pages 84 and 85.)

FRESHMAN YEAR

Fall Term.	Hrs.	Winter Term	Hrs.	Spring Term	Hrs.
General Biology	4	Zoology 1a	4	Zoology 1c	4
Chemistry 1a	4	Chemistry 1b	4	Chemistry 1c	4
English Composition	3	English Composition	3	English Composition	3
*French or German	5	French or German	5	French or German	5
Military	1	Military	1	Military	1
	17		17		17

*French or German is required by many medical schools. It is not required by the University of Oregon Medical School but is strongly urged.

Note—Students who make high standing in English composition may be excused from one or two terms and take electives in place of this work.

SOPHOMORE YEAR

Fall Term	Hrs.	Winter Term	Hrs.	Spring Term	Hrs.
†Organic Chemistry	4	†Organic Chemistry	4	†Organic Chemistry	4
or		or		or	
Analytic Chemistry	4	Analytic Chemistry	4	Analytic Chemistry	4
Physics	4	Physics	4	Physics	4
Anatomy	4	Anatomy	4	Embryology	4
Elective	4	Elective	4	Elective	4
Psychology		Psychology		Psychology	
Economics		Economics		Economics	
French or German		French or German		French or German	
Military	1	Military	1	Military	1

†Required by University of Oregon Medical School.

Three-Year Pre-Medical Course

(Leads to the B. A. degree after the completion of the first year in the medical school.)

Students electing the three-year course should take regular college work as planned in the Group System, (see pages 84 and 85 of catalog.) The work will be the same in the freshman year as in the two-year course. In the sophomore year the electives should all be in the Social Science group.

JUNIOR YEAR

Fall Term		Winter Term		Spring Term	
Organic Chemistry	4	Organic Chemistry	4	Organic Chemistry	4
Zoology (Elective)	4	Zoology (Elective)	4	Zoology (Elective)	4
Electives	8	Electives	8	Electives	8

Seven-Year Combined Course

Students who finish three years of pre-medical work at the University of Oregon will be granted the B. A. degree on completion of the first year's work at the University of Oregon medical school in Portland, provided they have satisfied the group requirements.

Major In Zoology

The Department of Zoology requires for a Major the following courses:

LOWER DIVISION

Trm.Hrs.		Trm.Hrs.		Trm.Hrs.	
Zoology	16	Foreign Language	20	English Composition	9
Chemistry	12	Social Science	12	Military and Gymnasium	2

UPPER DIVISION

Zoology ..... 24 term hours.

Physics, Botany, Geology } 20 term hours to be chosen from at least two of the three sciences.

LOWER DIVISION

1. **General Biology**—Three lectures and one laboratory period. Introductory to Botany 1a, and Zoology 1a. A study of the cell, its

structure, function and relation to heredity. An investigation of life processes as exemplified in a few typical plants and animals. Lectures two sections, Tuesday, Wednesday and Thursday at 8:00 o'clock; or, Tuesday, Thursday and Friday at 10 o'clock. Laboratory, one period a week; Premedics Monday or Friday afternoon; Physical Education, Tuesday or Thursday afternoon; General, Wednesday afternoon. Professor SWEETSER. *Four hours, fall term.*

1a. **General Zoology; Invertebrates**—Two lectures and two laboratory periods.

The lectures will cover the general principles of zoology, the characteristics of the main groups of the animal kingdom, the life histories of some of the most important forms, and the general principles of physiology as taught by comparative zoology. Should be preceded by General Biology 1.

Open to all students. Advised for science teachers.

Lectures, Monday and Friday at 10:00 o'clock. Laboratory in three sections: Section 1, Tuesday and Thursday at 10:00 to 12:00 o'clock; Section 2, Monday and Friday at 1:00 to 3:00 o'clock; Section 3 Tuesday and Thursday at 1:00 to 3:00 o'clock.

Quiz sections immediately following the laboratory periods, except for Section 1 which comes Monday and Friday at 8:00 o'clock. Professor BOVARD. *Four hours, winter term.*

Note—Pre-medical students should select Section 2, physical education majors Section 3, majors from other departments, Section 1 or 3.

1b. **General Zoology; Vertebrates**—Two lectures and two laboratory periods. A continuation of Course 1a. Pre-requisite to all higher courses in this department. Lectures and laboratories as in Course 1a. Open to all students. Advised for science teachers. Professor BOVARD. *Four hours, spring term.*

1c. **Comparative Anatomy**—Two lectures and two laboratory periods. A continuation of Course 1a. A general course on the development of the vertebrate. Lectures on the anatomy and zoology

of lower vertebrates, the osteology and evolution of the higher forms. The laboratory work covers the comparative study of selected types of vertebrates. This course to be selected by pre-medical students and physical education majors in place of Course 1b. Lectures and laboratories as in Course 1a. Pre-medical students should select Section 2. Professor EDMONDSON. *Four hours, spring term.*

2. **Cytology and Comparative Histology**—Three lectures and two laboratory periods. A study of the cell and of the tissues of the animal body, tissues modified into special organs, preparation of microscopial slides and special technique. Open to all students who have had general Biology and Zoology 1a and 1b. Required of Zoology majors. Advised for pre-medical students. Professor BOVARD. *Five hours, winter term.*

3. **Systematic Entomology**—Two lectures and one laboratory period. A systematic study of insects, especially of local fauna. Structure, habits, life histories, etc., will be considered. Professor EDMONDSON. *Three hours, spring term.*

4. **Field Zoology**—Two lectures and two laboratory periods. A course in which the local fauna of fresh water, field, and forest will be studied. The forms will be classified, morphological and ecological studies made, life histories followed and economic aspects emphasized. Pre-requisite, Course 1a. For general culture students, zoology majors, and science teachers. Professor EDMONDSON. *Four hours, fall term.*

5. **Mammalian Anatomy**—Two lectures and two laboratory periods. A course in dissection of a typical mammal, intended for those going into medicine, or the advanced work in physiology. Advised for all zoology majors. Professor EDMONDSON. *Four hours, fall and winter terms.*

6. **Elementary Physiology**—Four lectures per week. A course in the elements of physiology, designed as a general cultural course and for those who intend to teach science, especially physiology, in

the high schools. The work will consists of recitations, lectures on special topics and simple experiments. Open to all. Advised for science teachers. Professor BOVARD. *Four hours, fall term.*

7. **The Biology of the Bird**—Two lectures and one laboratory. Lectures and field work devoted to the study of the habits, classification, methods of flight, color, feeding habits, etc. Open to all students. Professor BOVARD. *Three hours, spring term.*

UPPER DIVISION

101. **Physiology**—Four lectures and one laboratory period. Respiration, muscle, nerve, reproduction, and the nervous system. Course for students who are premedic and physical education majors and any others who have had sufficient preparation. Pre-requisites, courses in elementary chemistry, physics and zoology. Courses in organic chemistry, and mammalian anatomy advised. Professor BOVARD. *Five hours, fall term.*

102. **Physiology**—Four lectures and one laboratory period. Blood, circulation, digestion, excretion, animal heat, and dietetics. A continuation of Course 101, but may be taken separately. Prerequisites as in Course 101. Professor BOVARD.
Five hours, winter term.

103. **Embryology**—Three lectures and two laboratory periods. A study of the development of some of the vertebrate animals, including chick and pig. Pre-requisite, Courses 1a and 1b. Required of zoology majors. Elective for pre-medical students. Professor BOVARD. *Five hours, spring term.*

104. **Binomic Problems**—Four lectures per week. A study of the factors in organic evolution, the results of modern experimentation in genetics and the theories of heredity. Open to all students. Professor BOVARD. *Four hours, fall term.*

105. **Seminar**—Discussion of the current literature. A different subject will be taken each term. Assigned readings and reports on general topics. Prescribed for all majors in zoology. Professors BOVARD and EDMONDSON. *Two hours, each term.*

106. **Protozoology**—Two lectures and two laboratory periods. An intensive study of the protozoa, including general classification, ecology and distribution. Advised for pre-medical students in connection with studies on tropical diseases. Professor EDMONDSON. *Four hours, spring term.*

107. **Research Laboratory**—Original work on some zoological problems by the student under the guidance of the instructor. Credit to be based on the character of the work. Hours to be arranged. Professors BOVARD and EDMONDSON.

108. **Marine Zoology**—Work will be carried on at the Marine Biological Laboratory at Puget Sound, Friday Harbor, Washington. The work will be done under the direction of the department of zoology of the University of Oregon. Credit will be given on the same basis as the summer school work at Eugene. Professors BOVARD and EDMONDSON.

The following courses in zoology are given at the marine station:

	Hours
Elementary Zoology	6
Ecology	6
Invertebrate Embrylogy	6
Research	6

RECOMMENDATION OF TEACHERS

The following courses are required of those expecting to teach high school zoology.

	Hours.
General Biology 1	4
Zoology, Courses 1a and 1b.	8
Elementary Physiology 6	4
Field Zoology 4	4

Equipment

The zoological laboratories are equipped with microscopes, models, and other apparatus for all the ordinary work in zoology, misroscopical anatomy, and physiology, and a number of skeletons for work in comparative anatomy and human osteology. The department will endeavor to furnish special apparatus as the occasion demands.

The museum contains a fine series of birds and mammals, mounted and unmounted, to illustrate different groups; a collection of Oregon reptiles, made by J. R. Wetherbee; a series of fish, mostly salmonidae from the Columbia river, donated by the United States government; a collection of food fishes of the Oregon coast, made by B. J. Bretherton, of Newport, Oregon, and presented to the University Prill collection.

Laboratory Fees in Zoology

A deposit fee is required in all the laboratory courses in this department. The fee for elementary courses is $2.00 per term, General Biology, Courses 1a, 1b, 1c, 3 and 4. For all other laboratory courses the fee is $5.00 per term.

Although the apparatus loaned to the student is expensive, the fee is not intended to meet this in any measure, but to cover the cost of the materials used and the apparatus not returnable. A certain portion of the fee is returned to the student in all courses except Zoology, 1a, 1b, 1c, 3, 4 and 7, if there has been no breakage, or in case the money has not been used to buy additional materials. The usual expense to the student in the advanced courses is from $2.50 to $5.00.

SCHOOL OF ARCHITECTURE

THE FACULTY

P. L. Campbell, B. A., LL. D., Eugene
President of the University.

Ellis Fuller Lawrence, S. M., F. A. I. A., Portland
Dean of School.

Percy Paget Adams, B. S., Eugene
Professor of Graphics.

Edward Hiram McAlister, M. A., Eugene
Professor of Structures.

Alfred H. Schroff, Eugene
Professor of Art.

Helen Rhodes, Assistant Eugene
Professor of Normal Arts.

Camilla Leach, Eugene
Art Librarian.

Clayton Baldwin, Eugene
Assistant Professor in Architectural Design.

*Louis C. Rosenberg, Eugene
Instructor in Architectural Design.

*Frederick A. Fritsch, Eugene
Instructor in Architectural Design.

Esther Wuest, Portland
In charge of Extension Work for Art Teachers.

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*On leave; in the service of his country.

GENERAL STATEMENT

The School of Architecture and Allied Arts was organized in 1914. Its scope of work covers a complete course leading to the degree of Bachelor of Architecture. Courses are also given in Art Appreciation, Civilization and Art, Normal Work in Art, City Planning, Drawing, Graphics, Design and Water Color. The school offers preparatory courses for students contemplating careers in painting, modeling, illustrating, and various forms of commercial art, and in structural design and contracting. In connection with the School of Education, it offers special courses for Art Teachers; with the Department of Journalism, courses leading to Cartooning; with the Department of Dramatics and Public Speaking, courses in Scenic Composition and Costume Designing. Cooperating with the Extension Department, courses are given in Portland in Architectural Design, Descriptive Geometry and Graphic Statics. Courses for teachers of art are offered both in summer school and in the Extension Division. A department of exhibitions operates in connection with the school, and special exhibits are brought to the University and to the Extension quarters in Portland. The school offers its staff for special lectures in connection with the work of the Extension Department.

FACILITIES AND EQUIPMENT

The School of Architecture and Allied Arts is housed in the new Architectural Building. It has two liberal draughting rooms, very well lighted, an ample studio with a collection of casts and reproductions of architectural renderings and a large exhibition hall.

A liberal budget allowance has been made for the continued purchase of slides, and books, prints and plaster casts, which should make the equipment most satisfactory for the coming year's work.

ENTRANCE REQUIREMENTS

Students majoring in Art courses are subject to the general entrance requirements of the University, while those majoring in Architecture have special entrance requirements, as described below.

ADMISSION TO THE SCHOOL OF ARCHITECTURE

Students are admitted to the freshman class on the completion of a four-year high school course, or its equivalent, requiring fifteen units of work. The term unit means the equivalent of five recitations per week, of not less than forty minutes each, in one branch of study for a school year of not less than thirty-six weeks.

No student will be admitted to the University who does not have full freshman standing. (Exceptions may be made in the case of bona fide special students.)

(a) Fixed requirements 10 units:

1. English .....3 units
2. Mathematics .....3 units
   Algebra through quadratics..1½ units
   Plane geometry .....1 unit
   Solid geometry ..... ½ unit
3. History .....1 unit
4. Foreign language in one of the following:
   Latin, Greek, French, German or Spanish
   (French or German preferred) .....2 units
5. Physics .....1 unit

(b) Elective subjects, 5 units to be presented. These may be selected from any of the subjects for which standard high schools give credits toward graduation and may include additional work in the above required subjects.

For further information concerning entrance requirements, excess matriculation credits and special student standing, see earlier pages of this catalog.

ARCHITECTURE

The course in Architecture has been approved by the Oregon Chapter of the American Institute of Architects, and is in excess of the minimum requirements of the Association of Collegiate Schools of Architecture. Special students are admitted under the general University rules.

PRIZES

The Oregon Chapter of the A. I. A. awards two prizes each year for proficiency in architectural design, or for the most consistent

improvement. The Educational Committee of the Chapter acts as jury in this award.

In 1916 the first prize of $15.00 was awarded to Joe Tominaga and the second prize of $10.00 was awarded to Russell Collins.

In 1917 the first prize of $15.00 was awarded to Walter Church, and the second prize of $10.00 was awarded to Marie Louise Allen.

John McGuire, 1917, has offered a prize of $25.00 to be awarded as the faculty may direct.

BEAUX ARTS INSTITUTE OF DESIGN

The work of the Beaux Arts Institute of Design is followed wherever it does not conflict with the schedule. By this method the school is brought into direct competition with other schools of architecture and ateliers throughout the country.

All students in the sophomore, junior and senior work of the Architectural course are obliged to become members of the Beaux Arts Institute of Design of New York, which calls for an annual registration fee of $2.00.

JURIES

The problems given in the School of Architecture, in Design, Domestic Architecture and Research and Ornament are judged by juries of practicing architects. The following have served as jurors:

Morris H. Whitehouse, A. I. A.
Joseph Jacobberger, A. I. A.
Harry G. Beckwith
F. A. Naramore, A. I. A.
Charles Rich
Chester Hogue
A. E. Doyle, A. I. A.
Alfred Smith, A. I. A.
W. G. Knighton, A. I. A
William G. Holford, A. I. A.
H. A. Whitney
Wade Pipes

In order that the students may be made aware of their progress, all judgments are recorded on score cards, varying with the problem. These show the values secured in Indication, Lettering, Composition, Rendering, Parti, Architectural Plan, Section and Elevation.

LANDSCAPE DESIGN

Every other year, in connection with the course in Domestic Architecture, Professor A. L. Peck, of Oregon Agricultural College, gives a two term course in Landscape Design.

SYNOPSIS OF THE COURSES IN ARCHITECTURE

DESIGN OPTION

Freshman Year

FALL TERM

Subjects	Credits Each Term
English Composition	3
Elementary French or German (or Spanish)	5
General Physics	4
Descriptive Geometry	2
Architectural Design Elements	1
Physical Training	
Military Drill	—
Total Credits	15

WINTER TERM

Advanced Algebra	4
English Composition	3
Elementary French or German (or Spanish)	5
General Physics	4
Descriptive Geometry	2
Physical Training	
Military Drill	—
Total Credits	18

SPRING TERM

Plane Trigonometry	4
English Composition	3
Elementary French or German (or Spanish)	5
General Physics	4
Shades and Shadows	2
Physical Training	
Military Drill	—
Total Credits	18

Sophomore Year

FALL TERM

General Chemistry	4
Analytical Geometry	3
Advanced French or German	4
Architectural History	1
Drawing	1
Water Color	1
Architectural Design, Elementary	3
Physical Training	
Military Drill	—
Total Credits	17

WINTER TERM

Subjects	Credits Each Term
Perspective	2
General Chemistry	4
Calculus	3
Architectural History	1
Research, Ornament and Style	1
Drawing	1
Water Color	1
Elective	1
Architectural Design, Elementary	3
Physical Training	
Military Drill	
Total Credits	17

SPRING TERM

Perspective	2
Calculus	3
Architectural History	1
Research, Ornament and Style	1
Drawing	1
Water Color	1
Elective	1
Architectural Design, Elementary	4
Geology of Building Materials	3
Physical Training	
Military Drill	
Total Credits	17

Junior Year

FALL TERM

Theory and Processes of Decorative Art	2
Elective (Civilization and Art preferred)	2
Architectural History	2
Research, Ornament and Style	1
Applied Mechanics	3
Drawing	1
Architectural Design, Intermediate	4
Domestic Architecture	1
Specifications and Working Drawings	1
Total Credits	17

WINTER AND SPRING TERMS

Subjects	Credits Each Term
Theory and Process of Decorative Art	2
Elective (Civilization and Art preferred)	2
Architectural History	2
Research, Ornament and Style	1
Applied Mechanics	3
Life Class	1
Architectural Design, Intermediate	4
Domestic Architecture	1
Specifications and Working Drawings	1
Pen and Pencil	1
Total Credits	17

Senior Year

FALL TERM

Elements of City Planning	1
Special Subjects: Heating, Ventilating, Plumbing Acoustics, Illuminating, Color	1
Life Class	1
Pen and Pencil	1
Architectural Design	7
Modeling	1
Building Material and Constructive Types	1
Constructive Design	2
Graphic Statics	1
Total Credits	16

WINTER AND SPRING TERM

Elements of City Planning	1
Special Subjects: Sanitary Science and Public Health	1
Ethics and Business Relations (The Architect's Office, Client, Contractor, Contracts-Law)	1
Life Class	1
Cartoons for Mural and Stained Glass	1
Modeling	1
Architectural Design	7
Constructive Design	2
Graphic Statics	1
Total Credits	16

Note—Three hours of drawing required for one credit value.

STRUCTURAL OPTION

Freshman Year

This year's courses are identical with those of the Design Option, as given above.

Sophomore Year

SUBJECTS	CREDITS Fall Term	Winter Term	Spring Term
General Chemistry	4	4	..
Analytical Geometry	4	..	..
Calculus	4	4	4
Architectural History	1	1	1
Drawing	1	1	1
Architectural Design	3	..	..
Elementary Mechanics	..	3	3
Working Drawings	..	3	3
Surveying	..	2	2
Physical Training	..	..	..
Military Drill	—	—	—
Total	17	18	14

Junior Year

Mechanics	3	3	3
Architectural History	2	2	2
Specifications	1	1	1
Principles of Economics	5	5	..
Graphic Statics	2	2	..
Strength of Materials	3	3	..
Geology of Structural Materials	..	..	3
Stresses	..	..	3
Wooden Trusses	..	..	2
Hydraulics	..	..	3
Total	16	16	17

Senior Year

Reinforced Concrete	3	3	3
Foundations	..	3	..
Masonry	4	..	..
Arches	..	3	3
Heating and Ventilation	3	..	..
Steel Trusses	..	2	2
Steel Frame Buildings	..	2	2
Electric Lighting and Wiring	3	..	..
Mechanical Appliances for Buildings	3	..	..
Sanitary Science and Public Health	..	1	1
Ethics and Business Relations	..	1	1
Acoustics	..	..	1
Total	17	16	15

COURSE IN ART APPRECIATION

The purpose of this department is to encourage the student to feel an interest in art in its many forms. Not only are the fine arts considered, but especial attention is given to the minor arts, as there should be no fine line of definition between the two, they being so related that one both supports and supplements the other.

The student is led to relate the arts, one to another, and especially to architecture, and to develop an independent judgment for his enjoyment of them. To this end lectures are given—work assigned to be executed with the hands—and special exhibitions arranged. Not only is the student encouraged to recognize art wherever he may find it, but to feel that he is himself an artist if he does his work with purpose and pleasure.

The hand work done by the students is generally of their own selection, and covers many subjects, quite a number working out the problems of design and color in the arrangement and furnishing of their own rooms, or the planning, planting and caring for their own yards and gardens.

Work in this department is open to all students of the University, whether majoring in the School of Architecture and Arts or not.

COURSE FOR ART TEACHERS

This course is designed to qualify students for teaching art, especially in the high schools. The details of the courses are given on pages 219 and 220 under the announcement of the School of Education.

SCENIC COMPOSITION

The course in Scenic Composition is intended to give the aesthetic principles involved in stage craft. Students contemplating taking this work, should take the general art courses offered by the School of Architecture and Allied Arts, including Drawing, Graphics and Design.

EXTENSION WORK

In connection with the Extension Division of the University, the School of Architecture and Allied Arts, through the courtesy of the

Library Board of Multnomah County, have carried on classes in Portland in Architectural Design, Pen and Pencil, Drawing, Modeling, and Descriptive Geometry. A course in Graphical Statics and Elementary Structures has been given members of the Carpenters' Union and others. Special courses for art teachers are also offered. Lectures are supplied to communities desiring talks on architecture, art and city planning. Cooperating with the Educational Committee of the Oregon Chapter of the American Institute of Architects, and the Art Division of the Portland Women's Club, courses of lectures have been arranged dealing with the Great Historical Phases of Architecture, and with special subjects, such as Domestic Architecture, School room Design, Art Training in the Public Schools, Fire Protection, The Architect and the Investor, Excess Condemnation, City Planning, etc.

EXHIBITIONS

The following exhibitions have been held during the past two years:

Loan exhibit from Portland architects; collection of student work from the Massachusetts Institute of Technology; of art work done in the public schools of Portland under the direction of Miss Esther Wuest; of contemporary American oil painters; examples of the work of Henry Wentz of Portland; of Alfred Schroff of Boston; of the teaching staff of the school; of interior decoration and domestic architecture; of lithographs; etchings; block prints; modeling, design and color in textiles and in nature, especially in birds, butterflies and flowers; of printing; of bookbinding; photography; work in metal and leather; gardening, weaving; needlework; bookplates; posters and examples of art found in advertising; the collection of flower paintings by Mrs. Albert R. Sweetser; bird and animal pictures by Bruce Horsfall; work of the Portland Art Museum; Oregon artists; circuits from the American Federation of Arts.

The students have designed an entrance courtyard to the Architectural Building which, when built, will house a permanent exhibit of building materials and of objects of art, suitable for garden display.

DESCRIPTION OF COURSES

1. **Architectural Design**—Elements, orders and rendering. Professors LAWRENCE, ADAMS and ROSENBERG. Freshman subjects.
One hour, fall term.

2, 3 and 4. **Architectural Design**—Elementary. Based upon the schedule of work outlined by the Beaux Arts Society as far as possible. Throughout the year. Professors LAWRENCE and ROSENBERG. Sophomore subjects.
Three hours, fall and winter terms; four hours, spring term.

17, 18 and 19. ***Architectural History**—Throughout the year. Egyptian, Assyrian, Persian, Grecian, Roman and Byzantine. Lectures, sketches taken from screen and research. Professor LAWRENCE. Sophomore subject. *One hour, each term.*

26, 27 and 28. **Research Ornament and Styles**—The history of the styles. Drawing. Professors LAWRENCE and ROSENBERG.
One hour, each term.

105, 106, 107. **Architectural Design**—Intermediate, throughout the year. Professors LAWRENCE and ROSENBERG. Junior subjects.
Four hours, each term.

108, 109, 110. **Architectural Design**—Throughout the year. Professors LAWRENCE and ROSENBERG. Senior subjects.
Seven hours, each term.

111, 112.* **Domestic Architecture**—Site, landscaping exterior, plan. Professor LAWRENCE and special lecturers. Lectures and drawing. Junior subject. *One hour, fall and winter terms.*

113. ***Domestic Architecture**—Details, interior decoration, furniture. Professor LAWRENCE and special lecturers. Lectures and drawing. Junior subject. *One hour, spring term.*

114, 115, 116. ***Domestic Architecture**—Specifications and working drawings. Throughout the year. Professors ADAMS and LAWRENCE. Lectures and drawing. Junior subject.
One hour, each term.

*These courses are open to University students not majoring in Architecture.

117. ***Domestic Architecture**—Course for advanced students. Throughout the year. Professor LAWRENCE. Lectures and drawing. *Three hours, each term.*

120, 121, 122. ***Architectural History**—Throughout the year. Romanesque, Gothic and Renaissance and Modern. Lectures, sketches from screen and research. Professor LAWRENCE. Junior subject. *Two hours, each term.*

123, 124, 125. ***Elements of City Planning**—Throughout the year. Lectures, research and drawing. Professor LAWRENCE. Senior subject. *One hour, each term.*

129. **Ethics and Business Relations**—Lectures. Senior subject. Professor LAWRENCE, Professor MORTON and others. *One hour, winter and spring terms.*

GRAPHICS

30, 31. ***Descriptive Geometry**—Lectures and drawing. Professor ADAMS. Freshman subjects. *Two hours, fall and winter terms.*

32. ***Shades and Shadows**—Lectures and drawing. Professor ADAMS. Freshman subject. *Two hours, spring term.*

33, 34. ***Perspective** — Lectures and Drawing. Professor ADAMS. Sophomore subject. *Two hours, winter and spring terms.*

35, 36 and 37. **Mechanical Drawing**—Throughout the year. A course in Projections, Isometric Drawing, Developments, Intersection, Tracing, etc. Professor ADAMS. Freshman subject. *Two hours, each term.*

38 and 39. **Lettering**—Professor ADAMS. *Two hours, winter and spring terms.*

40, 41. **Graphic Statics**—Lectures and Drawing. Professor ADAMS. *Two hours, fall and winter terms.*

44, 45 and 46. **Instrumental Drawing**—Lectures and drawing for Art Teachers. Professor ADAMS. *Two hours, each term.*

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*These courses are open to University students not majoring in Architecture.

DRAWING

50, 51 and 52. ***Drawing** — Sophomore subject. Professor SCHROFF. *One hour, each term.*

52, 53 and 54. ***Water Color**—Throughout the year. Professor SCHROFF. Sophomore subject. *One hour, each term.*

64, 65 and 66. ***Modeling**—Throughout the year. *One hour, each term.*

155. ***Drawing**—Professor SCHROFF. Junior subject. *One hour, fall term.*

156, 157. ***Life Class** — Throughout the year. Professor SCHROFF. *One hour, each term.*

158, 159, 160. ***Life Class**—Throughout the year. Professor SCHROFF. *One hour, each term.*

161, 162, 163. ***Pen and Pencil**—Throughout the year. Professor ROSENBERG. Junior and senior subjects.

167, 168, 169. ***Modeling**—Throughout the year. *One hour, each term.*

170, 171. ***Cartoons for Mural and Stained Glass**—Senior subject. Professor SCHROFF. *One hour, winter and spring terms.*

Note:—Art students may take all periods, if desired, each year.

CONSTRUCTION

The Structural Option, of which the courses listed below form a large part, is just newly established, so these courses will not all be given during the year 1919-20. The number of courses offered will be governed by the needs of the students.

10,11. ***Working Drawings**—Making of scale and full size drawing of details of building construction. *Three hours, winter and spring terms.*

*These courses are open to University students not majoring in Architecture.

13, 14. *Surveying—Lectures and field work in the use of tape, level and transit. *Two hours, winter and spring terms.*

110, 111. *Strength of Materials—Lectures and laboratory. *Three hours, fall and winter terms.*

113. *Stresses—Calculation of stresses in structures. *Three hours, spring term.*

115. *Wooden Trusses—Design and proportions of members and joints of trusses built of wood. *Two hours, spring term.*

117. *Hydraulics—Application of principles of hydraulics to architectural subjects. *Three hours, spring term.*

119. *Special Subjects—Heating, Plumbing, Ventilation, Acoustics, Illuminating and Color. Professors BOYNTON and CASWELL and special lecturers. *One hour, fall term.*

121,122. *Special Subjects — Sanitary Science and Public Health. Professor SWEETSER and special lecturers. *One hour, winter and spring terms.*

124. *Building Materials and Construction Types. *One hour, fall term.*

126, 127, 128. *Applied Mechanics.—Throughout the year. *Three hours, each term.*

129, 130, 131. *Constructive Design—Throughout the year. *Two hours, each term.*

140, 141, 142. *Reinforced Concrete—Throughout the year..... *Three hours, each term.*

143. *Masonry—Use of bricks and stone in building construction. *Four hours, fall term.*

146. *Heating and Ventilation. *Three hours, fall term.*

148. *Electric Lighting and Wiring. *Three hours, fall term.*

150. *Mechanical Appliances for Buildings. *Three hours, fall term.*

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*These courses are open to University students not majoring in Architecture.

160. ***Foundations.** *Three hours, winter terms.*

162. ***Arches.** *Three hours, winter and spring terms.*

164. ***Steel Trusses.** *Two hours, winter and spring terms.*

166. ***Steel Frame Buildings.**
Two hours, winter and spring terms.

170. ***Acoustics.** *One hour, spring term.*

ART

1, 2 and 3. ***Theoretical Design**—Lectures and drawing. Freshman subject. *One hour, each term.*

4, 5 and 6. ***Course for Art Teachers**—Throughout the year. Professor SCHROFF, Miss RHODES. *Three hours, each term.*

7, 8 and 9. ***Course for Art Teachers**—Throughout the year. Professor SCHROFF, Miss RHODES. *Four hours, each term.*

16, 17 and 18. **History of Civilization and Art**—Throughout the year. Professor SCHROFF, Lectures. *Three hours, each term.*

25, 26 and 27. **Technique of the Artist**—Throughout the year. *One hour, each term.*

28, 29 and 30. **Art Appreciation**—Throughout the year. Professor LAWRENCE, Professor SCHROFF, Miss RHODES. Lectures. *Two hours, each term.*
Laboratory—*One hour, each term.*

110, 111, 112. **Course for Art Teachers**—Throughout the year. Professor SCHROFF, Miss RHODES *Six hours, each term.*

113, 114, 115. **Course for Art Teachers**—Throughout the year. Professor SCHROFF, Miss RHODES. *Eight hours, each term.*

119, 120, 121. **History of Civilization and Art Epochs** — Throughout the year. Professor SCHROFF. Lectures *Two hours, each term.*

122, 123, 124. **Theory and Process of Decorative Art**—Throughout the year. Professor SCHROFF. *Two hours, each term.*

***These courses are open to University students not majoring in Architecture.**

SCHOOL OF COMMERCE

FACULTY

P. L. Campbell, B. A., LL. D., President.

D. Walter Morton, M. A., C. P. A., Dean of the School of Commerce and Professor of Commerce.

H. F. Boyce, Assistant Professor of Commerce.

Herbert R. Decker, Assistant in Commerce.

Celia V. Hager, M. A., Instructor in Advertising.

Elizabeth Hogg, Instructor in Commerce.

Annie L. Rogers, B. A., Instructor on Commerce.

First Year

English	English
Modern Language or Chemistry	Modern Language or Chemistry
Economic History	Industrial History
Economic Geography	Economic Geography
College Algebra	Mathematics of Investment
Elective	Elective

Second Year

Principles of Economics	Principles of Economics
Modern Language or Business Law	Modern Language or Business Law
Accounting Principles	Accounting Principles
Psychology	Psychology
Business English	Business English
Elective	Elective

Third Year

(All electives)

Business Organization and Management	Employment and Executive Management
Cost Accounting	Foreign Commerce
Foreign Commerce	Accounting Systems
Salesmanship	Sales Management
Life Insurance	Life Insurance
Practical Exporting	Practical Exporting
Credits and Collections	Purchasing

FOURTH YEAR
(All electives)

Auditing	C. P. A. Problems
Domestic Commerce	Exchange Brokerage
Exchange Brokerage	Fire Insurance
Domestic Commerce	Fire Insurance
Practical Banking	Advertising
Municipal Accounting	Investments
Public Utility Accounting	Lumber Accounting

PROFESSIONAL COURSES IN COMMERCE AND INDUSTRY

1. **Accounting Principles**—This course is required of all majors in Commerce. A knowledge of the elementary principles of bookkeeping is required, and only a very limited time is spent in bookkeeping review. The course includes a study of the classification of accounts, opening and closing entries, the theory underlying the various books of original entry and the general and subsidiary ledgers, the making of revenue statements, a study of stocks and bonds, the accounting principles involved in handling the accounts of a corporation, the theories regarding depreciation and reserves and the balance sheet and its interpretation. The student is required to work out a set of accounts for the review of bookkeeping principles. In connection with the later study in the subject, various problems illustrating the principles of accounting theory studied are worked out.

2. **Institutional Accounting**—This course takes up accounting methods employed in state institutions, such as hospitals, prisons and charitable institutions.

3. **Lumber Accounting**—Lumber accounting includes a study of the classification of lumber accounts, distribution of overhead expense for lumber manufacturing plants, lumber operating, shipping accounts, etc.

4. **Municipal and Public Utility Accounting**—The aim of this course is to give practical training in every phase of municipal and public utility accounting and reporting. Considerable attention will be given to budget making. Other topics discussed are

purchase records and methods, payrolls, stores control, expense analysis and municipal costs. The double entry system of bookkeeping, as applied to municipal accounts, is illustrated and explained. The classification of accounts for the various public utility enterprises is studied in detail. The prerequisite for this course is Principles of Accounting, or its equivalent.

5. **Cost Accounting**—This course begins with a study of the theory of cost accounting, including the various methods of distributing overhead expense, devising the forms necessary to obtain the cost data, the relation between the cost books and the general books and the reasons therefor, and a study of the various cost-finding systems, product, process, departmental, etc. The laboratory work in connection with the course includes the working out of a set of cost accounts for a business, so as to illustrate in practice the theory studied in the earlier part of the course.

6. **System Building**—A study of the accounting systems of large and small businesses; the writing of the accounting procedure for installing accounting systems; methods of controlling general and branch store systems; general office and factory cost systems; the designing and drafting of the necessary forms, etc.

7. **Solution of C. P. A. Problems**—This course includes a study of the solutions of the various types of problems which have been set by the C. P. A. examiners of the different states in which there are C. P. A. laws in existence. The course includes solutions of problems involving a knowledge of partnership, executor's accounts, corporations, revenue accounts, fire insurance accounts, real estate accounts, manufacturing cost accounts, mergers, liquidations and realizations, etc.

8. **Auditing**—A study is made of the methods and procedure in connection with detailed, continuous and balance sheet audits. The methods of procedure in audits of various kinds of businesses are discussed. The student is asked to make an audit of some actual business in which he is interested. Every effort is made to make the course practical by supplying actual conditions for a required audit.

9. **Business Organization and Management**—This course deals with the organization of business enterprises; the characteristics and relative advantages of individual proprietorship, partnership or corporation; the principles of organization and management as applied to each function of a business enterprise, such as salesmanship and selling methods, advertising, credits and collections, handling orders, billing systems, traffic and shipping, etc. The organization and work of industrial and commercial associations.

10. **Salesmanship**—This course deals with the general principles of salesmanship, the relation between the salesman and the customer, the approach to the customer, the presentation of the product, closing the sale, following up the sale, etc. Each student is required to select some product to which he shall give a special study. A sales talk about this special product must be written and then given to the class. A prize for excellence in salesmanship is available for 1918-19. This prize was offered by the Oregon Life Insurance Company.

11. **Sales Management**—The object of this course is to give the student an opportunity to study the characteristics, work and methods of the sales manager. The student will be required to plan sales campaigns, efficiency tests for salesmen and to write copy for a house organ, etc.

12. **Practical Banking**—The actual work of a bank is the basis for this study. The duties of the officers, tellers, clerks, and heads of the various departments are taken up in detail. The forms used and the methods for determining the credit rating of prospective borrowers are discussed, and all forms are actually shown to the student. The course is concluded by working out a set of bank accounts, illustrating the actual work and accounts of a small national bank, including the problems which face the officers and cashier, relative to reserve requirements, investment of surplus funds, reconciliation of accounts between correspondent banks, distributing the balance of the undivided profits accounts as dividends and reserves, resorts to the comptroller of the currency, etc. Prerequisite: Money and Banking.

13. **Methods of Commercial Teaching**—The content of the commercial course, the year in which the various subjects should be introduced, the methods of presenting commercial subjects, including demonstration practice work, are all treated in this course. Prerequisite: 15 hours in Education.

14. **Employment and Executive Management**—In this course an attempt is made to apply the principles of psychology and sociology to business management. It deals first with the qualities of an executive, and second, with the means employed by an executive to motivate his organization and the reaction of his co-workers upon him. It includes a study of the employment manager, the methods employed in selecting employes, in hiring, training, holding and promoting, so as to develop a high grade business organization. The text used is Gowin's "The Executive, His Control of Men."

15. **Marketing Methods**—This course includes discussions of the various marketing methods, including the trade factors and trade channels, retail selling, mail order selling, chain stores, the place of the jobber, national advertising, and manufacturers' campaigns and the methods of conducting them.

16. **Statistics**—This is an elementary course designed to give the students a practical knowledge of the elements of statistical methods. How to gather, present and interpret statistical data, averages, index numbers, and principles of correlation and variation are studied.

17. **Office Management**—How to organize an office force; duties of the management and clerks; getting out and filing correspondence, efficiency methods and tests, etc.

18. **Business Law**—A course designed to cover the principles of law, relating to the transactions which are today common to commercial and financial enterprises. An effort has been made to include those subjects which will be of a practical value to the business man, rather than those which appeal particularly to the student of law. This course is given under the direction of the School of Law.

19. **Domestic Commerce**—In this course an effort has been made to present to the student the history, development and present status of our inland transportation facilities. Particular emphasis will be placed upon the factors influencing the building of canals and the improvement of inland water ways; the character of the traffic, its importance, and the relations and connections existing between inland carriers, railroads and ocean carriers; a study of the government's policy as regards river and harbor improvements. In addition, considerable time is devoted to the discussion of the present and potential influences of the Panama Canal upon internal transportation. The text used in this course is Johnson's "Ocean and Inland Transportation."

20. **Foreign Commerce**—This course aims to carry the study of domestic commerce into the field of international intercourse. It is especially desired, therefore, that the student first complete the course in domestic commerce before attempting to pursue this work. The course includes a study of:
Purposes and operations of commercial treaties between nations; the geographic, economic and social causes of commercial changes in foreign trade; the study of the attitudes of different governments with regard to ship subsidies, subventions, etc.; direct and indirect methods of assisting shipping; international payments and balance of trade; factors influencing the establishment of trade routes; tariff influences. Particular study of the Latin-American countries is made—geographical features and a knowledge of the resources, etc. Extensive outside reading is required in the Daily Commerce reports, Trade and Commercial Bulletins issued by various governments, and the publications of the Bureau of Latin American Republics. The text used is "Selling Latin America," Aughinbaugh.

21. **Life Insurance**—The purpose of this course is to acquaint the student with the practical, as well as the theoretical principles of the various phases of life insurance. It aims to give a practical knowledge of the functions and personal and business uses of life insurance. Included are the following subjects of which study is made:

Early history of insurance; development and extension of the principles of insurance; simple mathematics of insurance; the various policies; disability insurance; group insurance; state insurance; legal interpretations of contracts, assignments, etc., and the general, federal and state status relating to life insurance companies, and fraternal societies.

22. **Fire Insurance**—As in the case of life insurance, an effort is made to present both the practical and theoretical aspects of fire insurance. In addition to the fire insuance, a study is made of property, title, credit and marine insurance. Special emphasis is placed upon the study of the legal phases of the organization, management, etc., of companies, according to Oregon practice.

23. **Practical Exporting**—Recent international developments have opened a way for vast expansion of the foreign trade of the United States. In order to fit the student for participation in the extended activities of the international commerce, this course offers the fundamentals of export practice. In it are included, foreign exchange practice, methods of entering markets, foreign customs, tariffs, international banking facilities and practice, shipping technique (including marine insurance), governmental policies as to combinations in foreign trade, and foreign commercial associations whose functions are to facilitate and foster foreign trade. Extended outside reading will be required. Sophomore standing is a pre-requisite.

24. **Field Work in Manufacturing Industries**—A course designed to prepare students to engage in the various manufacturing pursuits or government field service. Methods of manufacturing some of Oregon's products are observed in the plants themselves. Systems of management are studied, including the buying, manufacturing and disposition of the product, together with methods of financing the operations. Particular attention is paid to surveys and industries of the resources of Oregon, relating to the product, the study of whose manufacture is being made. The students are required to make personal surveys, submit reports, and plans of plants, tracing the product throughout the plant. Extended outside reading is required.

25. **Exchanges and Brokerage**—This course deals with the organization and functions of stock and produce exchanges, domestic and foreign; future contracts on the stock and produce exchanges and Boards of Trade; a study of all the legal aspects, connected with the receipt and execution of contracts for purchase or sale on the exchanges; collection and dissemination of market news; deliveries on the exchanges; marketing of securities; settlements, by banks and brokers, of exchange transactions; arbitrating, foreign and domestic; brokering and listing of stocks and bonds of all kinds; conversion and all phases of the brokerage business. Open only to Junior, Seniors and graduates.

26. **General Advertising**—The basis of this course is the textbook of Tipper, Hollingsworth, Hotchkiss and Parsons. The advertisement is studied from the standpoint of language, the makeup of the advertisement, the type and color background, etc. Emphasis is laid on advertising composition and the work is made practical, by having the class write advertisements for events which occur during the University year. The students are also asked to map out advertising campaigns for products in which they are interested.

27. **Credits and Collections**—The aim of this course is to cover all the duties and obligations devolving upon the credit department. It covers the organization of a credit office, the qualifications of a credit man, sources of credit information, adjustment bureaus, collections, bankruptcy legislation, and the economics of the credit system. It aims to train persons for occupying the position of credit manager.

SCHOOL OF EDUCATION

FACULTY

P. L. Campbell, B. A., LL.D., President of the University of Oregon.

H. D. Sheldon, Ph. D., Dean of School of Education.

B. W. DeBusk, Ph. D., Educational Psychology.

C. A. Gregory, M. A., School Administration.

F. L. Stetson, M. A., Secondary Education.

A. N. French, M. A., Practice Teaching.

Margaret B. Goodall, A. B., University High School. English.

George E. Finnerty, Science.

Callie Beck Heider, B. A., English and Latin.

Ila Myers, Mathematics and Geography.

Miriam Page, B. A., French.

Helen Rhodes, Art.

Anna Landsbury Beck, B. A., Music.

ORGANIZATION

The School of Education of the University of Oregon was authorized by the Board of Regents in February, 1910. The general purpose of the school is to organize and correlate all the forces of the University which have for their ultimate aim the growth of educational efficiency in the State of Oregon. This work is done through the effective grouping of courses for teachers in the regular college curriculum, through the Summer School, the Correspondence School, and through investigation of questions of importance to the State and publication of results in bulletin form. The new Education Building, designed for the School of Education, gives commodious and well fitted quarters for the school.

OPPORTUNITIES FOR SPECIALIZING

The School of Education, by means of the professional training offered in the various departments of education and the academic instruction given in the respective University departments, is prepared to train the following classes of teachers:

(1.) Superintendents, principals, supervisors and teachers for administrative work.

(2) Teachers for departmental work in a senior high school.

(3) Teachers for departmental work in a junior high school.

(4) Special supervisors in Music, Art, Physical Training, Athletic Sports, Public Speaking and Commerce.

(5) Teachers for Normal Schools and Colleges.

(6) Teachers who are interested in defective and subnormal children and delinquents.

(7) Those who are interested in physical and mental measurements and tests as specialists in large cities.

For a more detailed synopsis of these courses, see under "Courses of Instruction" elsewhere in this catalog.

THE UNIVERSITY HIGH SCHOOL

The University High School is the laboratory for research work in education. It is housed in the Education Building where it is most convenient for students in education. Here students may have an apportunity of observing the successful application of methods of teaching and may acquire, under supervision, such skill as will lead to the actual work of the school. Model lessons are given by the supervisors in charge so that those who are preparing to teach may have illustrations to guide them in the applications of the principles underlying education. Lesson plans are worked out and supervised teaching is done. Much of the teaching is done by the problematic or project method. Those unique problems of discipline and organization are carefully worked out. The physical equipment is modern and ample to take care of the needs of the school. The laboratories are especially well equipped and wide use is made of the apparatus. Student activities are encouraged and much may be learned from the methods employed. Mental and physical tests and measurements are made from time to time and a careful record is kept of the results in the various tests.

LIBRARY FACILITIES AND MUSEUMS

Library

The University library now contains in excess of 85,000 volumes and is rapidly growing. For research work in education the library offers, by far, the best opportunities of any library in the state. It is open every day except Sunday, from 7:45 A. M. to 10 P. M. Books not found in the library dealing with any special problem, which a student may be interested in, will be ordered as far as possible. All the current magazines and periodicals are found in the general reading room.

Museums

The Geological Museum contains thousands of specimens of vertebrate fossils from the John Day valley, invertebrate specimens, Paleo-botanical specimens, a display and type collection of minerals Oregon economic minerals, type collection of rocks, an ethnological collection of tools and implements used by early man and many other interesting specimens.

The Botanical Museum consists of a number of collections known as the Howell collection, the Leiberg collection, the Cusick collection, and the Edmund P. Sheldon collection. These collections approximate 35,000 specimens.

THE APPOINTMENT BUREAU

The University maintains an Appointment Bureau to aid its graduates and alumni to find those positions for which their academic and professional training has fitted them. The fee is one dollar, payable but once. The Bureau keeps in touch with the Boards of Education and Superintendents desiring teachers and strives to put the right teacher in the right place. The Bureau does not assist teachers who are not University of Oregon graduates, but concentrates all its energies in the service of its own graduates. A great many more calls for superintendents, principals and departmental teachers come to this Bureau than we are able to fill, and the number of calls is increasing each year. The recommendation of the Bureau will be limited to candidates who have taken courses as prescribed by the School of Education.

DEGREES

Bachelor of Arts or Science

The degree, Bachelor of Arts, or Bachelor of Science, is conferred upon students of the School of Education who have secured 180 hours of college credits, exclusive of six hours required in physical training and including work required by the major professor.

Master of Arts or Science

The degree Master of Arts or Master of Science is conferred upon those students who have received the Bachelor's degree from this institution or from some other college or university of approved standing. The Graduate School of Education is a department of the Graduate School of Arts and Sciences, and as such it offers opportunity for graduate study to those who have done their major work in Education.

The advanced courses in Education aim to meet the needs of three classes of students: First, those who are preparing to give courses in the history and principles of Education in colleges or normal schools; second, those who are preparing to become supervisors and administrators in various types of schools; third, students in various departments of the University, who, in addition to the course in the major subject matter which they intend to teach, wish to become acquainted with the principles underlying all educational organization and method. The last mentioned class of students may take Education as a minor subject. Graduate students who have had no course in Education, but wish to complete the fifteen semester hours required for the State certificate, should register in the undergraduate course.

CERTIFICATES OF GRADUATION

Graduates from the School of Education are entitled to teaching certificates as provided in the following Oregon school law:

Certificates shall be issued to graduates from standard colleges or universities who have completed one hundred and twenty (120) semester hours (180 term hours) including fifteen (15) semester hours in education as follows:

1. One-year State certificates shall be issued without examination, upon application, to such graduates of standard colleges and univer-

sities, authorizing them to teach only in the high schools of this State.

2. The holder of a one-year State certificate, issued in accordance with the provisions of this section shall, after six months' successful teaching experience in this State and upon the recommendation of the county superintendent of the county in which the applicant last taught, receive, without examination, a five-year State certificate authorizing him to teach only in the high schools of this State.

3. The holder of a five-year State certificate issued in accordance with the provisions of this section shall, after thirty months' successful teaching experience in this State and upon the recommendation of the county superintendent of the county in which the applicant last taught, receive, without examination, a State life certificate authorizing him to teach only in the high schools of this State.

4. The holder of a one-year State certificate, or a five-year State certificate, or a life certificate, secured in accordance with the provisions of this section, is hereby authorized to act as city superintendent of schools of any city.

Fees are as follows, payable to the State Superintendent of Public Instruction:

One-year certificate $1.00
Five-year certificate (after six months' teaching).... 2.00

COURSES OF INSTRUCTION

Courses of Study for High School Teachers

Students expecting to teach in the high school should take Education 51 and 52, 103 or 104, 105. Observation and practice teaching, two or three courses in Group V (special methods), and one or two of the departmental academic courses listed below:

Courses Required by Departments

The following list of the courses of study necessary to equip teachers in the different high school subjects represents the irreducible minimum which the department in question considers necessary to insure superior teaching. Under the ordinary conditions no student will be recommended for a position in a department of a high school who has not carried successfully in his college course

all the work outlined. Exceptions may be made of small high schools where the candidate must of necessity teach a large variety of subjects. In schools of this class, where the faculty is limited to three teachers or less, students will be recommended upon the successful completion of shorter courses in the subject to be taught. In foreign languages, students, to secure recommendations, must have taken at least four year's work, of which two years must have been completed in a college or university.

It is advisable for students to fit themselves for teaching more than one subject. While the demand for teachers in the different subjects fluctuate from year to year, there is at present a particularly strong demand for men capable of teaching one department and acting as physical director. Ability to supervise music, athletics, or public speaking, adds materially to the chances of securing a first-class position. Various combinations of subjects are asked for, but the majority of calls are for teachers of two or more adjacent subjects as arranged in the following groups: German, Latin, English, History, Civics, Mathematics, Science (i. e. Physics, Biology, Physiology, Chemistry, Physiography), Manual Training, Commercial Subjects.

The courses agreed upon by the various departments as requisite for a teacher's recommendation in a high school are as follows. Each student upon graduation should be in a position to teach one major and two minors. The present list is made to fit the requirements for minors:

Latin

Six years of work in the subject is required, or at least two years beyond the four years offered in the secondary schools. Fifth year Latin includes such standard authors as Cicero's De Senectute; Vergil's Eclogues, a play of Plautus, Horace's Odes, Sallust's Jugurtha, selections from Catullus and Tibullus. Sixth year, Horace's Satires and Epistles, a book of Livy, Ovid's Tristia, a play of Terrence, selections from Pliny and Martial.

German

Four years' consecutive work, including:

Elementary German.

Advanced German.

German Classical Drama.

And either German Fiction and Contemporary Literature or the Nineteenth Century Novel in addition to the teaching of German.

French

Elementary French.
Advanced French.
History of French Literature in Seventeenth Century.
History of French Literature in Eighteenth and Nineteenth Centuries.
French Conversation.

Spanish

Elementary Spanish.
Advanced Spanish.
Classical Spanish.

English Language, Composition and Literature

English Composition.
American Literature.
English Literature (Freshman).
Wordsworth.
Shakespeare (one semester).
Teaching of English.
Teachers' Course in Public Speaking.
Teachers' Course in Dramatic Interpretation.

History

Greece and Rome.
Middle Ages.
Renaissance and Reformation.
Industrial History of Europe.
Modern European History.
History of England.
Early American History.
Later American History

Mathematics

Advanced Algebra and Plane Trigonometry.
Analytic Geometry and Calculus.
Theory of Equations and Determinants.
Teaching and History of Mathematics.

GEOLOGY

For teachers of Physical Geography and Introductory Science:
General Geology.
Physiography.

PHYSICS

General Physics.
History and Teaching of Physics.
Physical Technics.

CHEMISTRY

General Chemistry.
Analytical Chemistry.
Organic Chemistry.
Teachers' Course.

BOTANY

General Biology.
General Botany.
Systematic Botany.
Pedagogy of Botany.

ZOOLOGY

General Biology.
General Zoology.
Elementary Physiology.
Field Zoology.

The Department of Education recommends the following courses to students preparing for high school positions:

Sophomore Year—History of Education (Course 52); Principles of Education (Course 51). Psychology is also advisable, but does not count as Education.

Junior Year—Educational Psychology (Course 103); Secondary Education (Course 105); Observation of Teaching (Course 107).

Senior Year—Practice Teaching (Course 112), four or five hours.

ADMISSION TO THE SCHOOL OF EDUCATION

The requirements for admission to the School of Education are the same as those for admission to the College of Literature, Science,

and the Arts, viz: Fifteen units, representing completion of a four years' high school course. Persons more than twenty years of age and properly qualified may enter the University as special students without complying with the above requirement, but no such student may be a candidate for a degree or University teacher's certificate until all entrance deficiencies are made up.

NORMAL SCHOOL CREDIT

The School of Education will grant two years of advanced standing to those students who are graduates of the Oregon State Normal School, providing that before entering the normal school such students were graduates of standard high schools and completed the subjects required by the University for entrance.

WORK MAY BE SUBSTITUTED

Advanced work in Education may be substituted for the two years foreign language requirement for those who wish to take the degree Bachelor of Science in Education. Students making this substitution earn a B. S. in Education instead of a B. A. degree.

Plan of Educational Courses

The advanced work in Education is arranged in cycles. So long as a quarter plan is in vogue the cycle for advanced work in graduate study will extend over a period of three quarters or one full year's work. The courses are so arranged that the hours do not conflict, thus affording a wide range of courses for those who wish to do advanced work. The first cycle deals primarily with the administrative side of education. It is designed for superintendents and principals and for those who will devote a large part of their time to the problems of supervision and administration proper. The fall term will take up the subject of School Administration proper, the winter term will deal with Statistical Methods in Education, followed in the spring term by the Organization of Common School Curricula.

The second cycle of courses deals with the psychological and hygienic phases of education. (Educational Hygiene in the fall, Exceptional Children winter term, and Mental and Physical Tests and Diagnostic Methods the spring term.)

The third cycle deals with the social aspects of education and consists of History of American Education, Modern Social Problems in Education and Educational Sociology.

Coordinate with these courses are the courses in practical application of the various principles of education. Here the practical phases are especially emphasized. The work is done in observation classes and classes in supervised teaching. Six hours of work in education, including a course in observation, is a prerequisite to practice teaching.

Through the courtesy of Superintendent W. R. Rutherford and the Board of Education of the City of Eugene, much additional work of a practical nature is done in the city schools.

Courses for Art Supervisore

The following schedule of courses offered by the School of Architecture and Allied Arts is recommended for students contemplating training as Art Teachers or Supervisors.

FRESHMAN YEAR

Course for Art Teachers — **3 credits each term**

- Design—Elementary—Applied Lettering ..... 1 credit
- Representation—Object—Nature ..... 1 credit
- Color—Theory ..... 1 credit

Instrumental Drawing — **2 credits each term**

- Perspective / Geometrical ..... 1 credit
- Constructive-Lettering / Working Drawings ..... 1 credit

5 credits each term

SOPHOMORE YEAR

Course for Art Teachers — **4 credits each term**

- Design ..... 1 credit
- Pictorial Representation ..... 1 credit
- Color—Water Color ..... 1 credit
- Drawing—Cast and Life ..... 1 credit

History of Civilization and Art Epochs — **3 credits each term**
(Including Historic Ornament)

7 credits each term

JUNIOR YEAR

Course for Art Teachers	**6 credits each term**
Design—Applied	1 credit
Picture study	1 credit
Pictorial Representation	1 credit
Drawing—Life	1 credit
Pen and Pencil Composition—Values—Technique	1 credit
Color—Water color—Oil	1 credit
History of Civilization and Art Epochs	**2 credits each term**
	8 credits each term

SENIOR YEAR

Course for Art Teachers	**8 credits each term**
Applied Design	2 credits
Pictorial Representation	1 credit
Pedagogy	1 credit
Practice Teaching	1 credit
Drawing—Life	1 credit
Modeling	1 credit
Composition	1 credit
Art Appreciation	**2 credits each term**
	10 credits each term

COURSE FOR TEACHERS OF SCIENCE

The following course, leading to the degree of Bachelor of Science, prescribes the fundamental courses in Biology, Physics and Geology which are needed by science teachers in such positions as are open to them at the beginning of their careers. It further requires that the student shall select some one of the sciences as a specialty, which is to be pursued for at least a year (nine term hours) beyond the prescribed fundamental course. The following detailed schedule will satisfy these requirements.

FRESHMAN YEAR

	Fall	Winter	Spring
English Composition	3	3	3
*Personal Hygiene	3	..	..
General Biology	4	..	..
Botany	..	4	4
Zoology	..	4	4
Group and other elective	5–6	4–5	4–5
..			
	15–16	15–16	15–16

*For women. Men substitute elective work.

SOPHOMORE YEAR

	Fall	Winter	Spring
Physics	4	4	4
Elementary Physiology	4	..	..
Education	..	4	4
Group and other elective	7–8	7–8	7–8
	15–16	15–16	15–16

JUNIOR YEAR

	Fall	Winter	Spring
Geology	4	4	4

Other Upper Division courses will include the courses in Education and Practice Teaching required for certification, at least two Methodology courses (6 term hours), and not less than nine term hours of advanced work in the science selected as a specialty. The remaining hours, probably from 42 to 48, may be taken as free elective. Additional courses in the sciences already begun, or courses in Mathematics, Chemistry, Astronomy or Graphics will appeal to those who wish as complete a grasp as possible of the range of High School Science.

Course for Teachers of Physical Education

FRESHMAN YEAR

Zoology four hours and, if not presented for entrance, Physics four hours.

SOPHOMORE YEAR

Chemistry four hours, Psychology three hours, and two terms of Human Anatomy—Applied and Visceral—four hours.

JUNIOR YEAR

Fall	Hrs.	Winter	Hrs.	Spring	Hrs.
Kinesiology	5	Physiology	5	Theory of Physical Education	3
Technique of Teaching	1	Normal Instruction	1	Playground Supervision	3
Principles of Education	3	Observation of Teaching	3	Gymnastics	1
Playground Supervision	3	Playground Supervision	3	Sports	½
Gymnastics	1	Gymnastics	1	Physiology	5
Dancing	½	Dancing	½	Normal Instruction	1

SENIOR YEAR

Fall	Hrs.	Winter	Hrs.	Spring	Hrs.
Gymnastics	3	Corrective Gymnastics	3	Anthropometry and Physical Diagnosis	3
Theory of Physical Corrective Education	2	Theory of Physical Education	2	Emergencies and Bandaging	2
Teaching	2–3	Eugenics	2	Teaching	2–3
Gymnastics and Sports	1½	Teaching	2–3	Gymnastics and Sports	1½
		Gymnastics and Sports	1½		

Course for Music Teachers

The Public School Music Department offers a Supervisor's course in grade and high school music. The first requisite is musicianship. The student-teacher then receives a thorough and systematic training in the application of music, from the first grade through the high school. She is required to teach two terms, and an opportunity is provided in the Eugene City Schools.

The aim is to train teachers in such a way that they may give children good music in the most practical way and teach them to love it. A teacher who accomplishes this must appreciate all that she wishes to convey, and therefore the prerequisites of this course would include the ability to play the choruses she expects to teach and a knowledge of the constructional side of music. She must also be trained in vocal music so that she can properly care for the young voices in her charge. She must know how to avail herself of all the musical helps within reach, such as the possibilities of the talking machine, the most desirable publications, and the people who are authorities in the musical world. The School of Music offers courses in all musical lines and the Public School Department purposes to apply this knowledge to school needs.

The following are the minimum requirements for a certificate:

Ability to read and play moderately difficult choruses or accompaniments.
Two year's instruction in singing.
The elements of Musical Science, three terms.
Analysis of Music, two terms.
Musical History, three terms.
Sight Singing, three terms.
Public School Methods.
History of Education.
Principles of Education.
Choir Experience.

Practice Teaching and Directing—This is afforded by the University High School, the Eugene Public Schools and the sight singing class. Professor EVANS. *Two hours, entire year.*

12. **Public School Methods**—This course aims to show how musical knowledge is adapted to the needs of the public school. The following and other points will be taken up:
Ways of arousing and holding interest.
Calls and scale songs for the unification of voices.
Development of the sense of pitch and rhythm through rote singing.
The various systems of music books and manuals used as texts.
Phrasing and interpretation.
The use of "do, re, mi" as "something to teach."
Direct presentation.
Practice in directing chorus work.
Use of the Victrola.
Professor BECK. *Three hours, throughout the year.*

13. **Sight Singing**—For the purpose of identification, the name "Sight Singing" has been retained, though it gives little clew to the character of the work done. A better name would be "The Practical Reading of Music." Professor BECK.
One hour, throughout the year.

1. **The Elements of Musical Science**—A general course in the history, construction and treatment of harmonic forms. Work is done by means of letters and recitations, and throughout the course great stress is laid upon the development of the ear. The first term deals with such topics as terminology, major and minor scales, intervals, major and minor triads, inversions—especially the "six-four" chord—general theory of harmonic progression, etc. The second term will be devoted largely to the study of dissonant combinations—especially seventh and ninth chords—open positions, etc. Modulation forms the basis of the third term work. A thorough study will be made of foreign tones, contrapuntal chords, the augmented chords, enharmonic equivalents, modern scales and harmonizations, etc. The course aims to show that music is an experience rather than a clever collection of symbols. Professor LANDSBURY.

Three hours, throughout the year.

2. **Contrapuntal Analysis**—A study of the structural basis of the strict style in general and the inventions and earlier fugues of J. S. Bach in particular. Primarily a study of motive development. Professor LANDSBURY. *Three hours, one term.*

3. **Formal Analysis**—A study of the Musical Architecture of the free style, the career of the motive as influenced by the phrase, period and form, the song, forms, developed ternary form, etc. The sonatas of Haydn, Mozart, Beethoven, Schumann and Brahms will be used as texts. This is a very practical course for those wishing to know the basis of interpretation. Professor LANDSBURY.

Three hours, one term.

10. **History and Appreciation of Music**—A course of lectures, together with supplementary research work, dealing with the evolution of music; its relation to the other arts and sciences, and its place in a liberal education. A considerable part of the time will be devoted to the problem of intelligent listening. This course is recommended to those who wish to increase their capacity for understanding and enjoyment of musical literature and who are desirous of knowing upon what grounds and in what measure a musical work is to be judged. Throughout the course the Victrola will be liberally used for illustration. Professor EVANS. *Two hours, entire year.*

Courses for Director of Athletics

For men who desire the ability of training athletic teams in connection with high school teaching. The course includes (1) an introduction to the sciences underlying physical activity; (2) a practical study of personal hygiene, first aid to the injured and prescriptive exercise; (3) a detailed study of the theory, rules and methods of coaching each of the high school athletic sports, supplemented by practical work on the field, and (4) a professional study of educational theory and practice.

The following courses are offered:

Personal Hygiene, one hour, each term.

Theory and Coaching of High School Sports, two hours each term.

The courses will be open to juniors and seniors who are prospective teachers. Successful completion of these courses will entitle students to a recommendation as Director of High School Sports.

SCHOOL OF JOURNALISM

FACULTY

P. L. Campbell, LL. D., President of the University.

Eric W. Allen, A. B., Dean and Professor of Journalism.

George Turnbull, A. B., Professor of Journalism.

W. F. G. Thacher, M. A., Professor of English, Instructor in Advertising.

M. H. Parsons, M. A., Professor of English, Instructor in Criticism.

E. W. Hope, Ph. D., Dean of School of Law, Instructor in Law of the Press.

Robert C. Hall, Assistant Professor of Journalism, Superintendent of University Press.

Celia V. Hager, Instructor in Psychology of Advertising.

M. H. Douglass, M. A., Librarian.

A. R. Tiffany, A. B., Registrar.

The purpose of the School of Journalism is to prepare students to enter, upon graduation, into the various occupations that have to do with the editing and publication of newspapers and magazines. In establishing the Department of Journalism in 1912, the University had several objectives in view. In the first place it was felt that the press and public alike would benefit if it were made possible for young men and women to obtain such a training in journalism that they should be able to exercise their best abilities in their profession soon after graduation without a long and painful process of "breaking in." This would result in supplying the press with a better educated personnel, one which would be available for responsible work earlier in the individual career, and which would from the very beginning have some conception of the splendid possibilities of the profession. For the student, this type of education offers the

opportunity to obtain in general University courses the broad knowledge and understanding so necessary to the rightly qualified journalist, without losing touch for four years with the practicalities of the profession. Furthermore, since the business and profession of journalism has reached its present high state of specialization, it is no longer possible for the young man or woman through any form of apprenticeship to acquire a familiarity with more than a few of its numerous branches. This appears perhaps to the beginner to be only a slight handicap, but the course of promotion takes the journalist out of his specialty and places him in a position where he has supervision over several specialties. It is, then, in after years rather than at the very beginning, that he will realize to the full the value of the breadth of preparation such as is now obtainable through University instruction and not under present conditions procurable by way of apprenticeship in shop, office or editorial room.

University-trained journalists, experience has demonstrated, find little difficulty in forming desirable newspaper connections promptly upon graduation. The preference which once existed among editors and publishers for employes who had worked up in the office and shop from office boy or printer's devil has disappeared. The University School of Journalism each year receives more applications from newspapers for qualified reporters and advertising solicitors than it is able to satisfy. University-trained journalists in all parts of the country are proving the value of their training by advancing rapidly in their chosen profession.

EQUIPMENT

The equipment of the Oregon School of Journalism surpasses that of all but two or three similar institutions in the world in the completeness of its laboratory facilities and opportunities for practical experience in a wide range of journalistic specialties. The University Press, as organized at Oregon, is a department of the School of Journalism, and one of its principal purposes is to furnish students free and full opportunity to familiarize themselves with the mechanical and business basis upon which their profession rests. It is in connection with this department that the student learns the methods and economies of the business office, press room and com-

posing room, and gains that confidence in his grasp of the underlying conditions of the business which it is hoped will enable him in the future to be a newspaper owner rather than a perpetual employee

The University Press has a large Number 7 Optimus cylinder press driven by electricity, a large Chandler & Price job press, the latest Number 19 Mergenthaler linotype, and other equipment of the same scale of excellence.

In his senior year the student himself becomes actually a publisher. The school provides for the issuance by its most advanced class of two regular publications, one weekly news sheet and one monthly magazine, and several others at irregular intervals, which furnish the opportunity for practical contact with a wide range of editorial problems.

In addition there are several publications controlled by the students of the University and usually both edited and managed by students in journalism. The most important of these are the student newspaper, the Emerald, and the Oregana, which is a large cloth bound annual furnishing varied experience in book publication.

Numerous other publications are constantly passing through the shops of the University Press, and the student comes in contact with this work at many points in connection with his various courses.

For writing and editing work, the School of Journalism has a special small building fitted up like a newspaper office, plentifully supplied with typewriters, copy desk, private offices and "morgue" material.

The School of Journalism subscribes for leading newspapers from all parts of the United States and has an unusually complete list of exchanges among the newspapers of Oregon. These newspapers come to the students' work room or "local room" and are available for all purposes in connection with the courses.

HONORARY SOCIETIES

The two leading journalistic honorary fraternities maintain chapters at the Oregon School of Journalism. Sigma Delta Chi, for men, and Theta Sigma Phi, for women, elect to membership such students of the School of Journalism as maintain an adequate standard of achievement in journalistic work and earn and retain the

respect and confidence of their fellow students. Alumni membership in these societies is becoming a valued association among newspaper men and women.

BROAD TRAINING REQUIRED

Professional work in Journalism should form an integral part of a sound and well-balanced general collegiate course of four years' duration. In no profession is breadth of knowledge and variety of training more needed than in journalism.

The professional courses in Journalism are scheduled for the third and fourth years of the course, and the student in arranging his schedule should plan to devote half to two-thirds of his time in those years to strictly professional work, devoting the first and second years to the fundamentals of a general education.

In special instances, however, students will be allowed to take professional subjects earlier in their courses where previous preparation appears to have been sufficient.

COURSES

An attempt has been made to combine the large number of journalism courses heretofore given into a smaller number of continuous and compact courses. For the benefit of students who have already taken part of these courses, and students entering from other universities the elements of the courses are listed separately and may be taken in such a way as not to duplicate previous work, but apart from such special cases, all courses listed under a single number should be taken as a single course.

1. Group of Courses Known As "Freshman Journalism"

1. **Pre-Journalism English**—Intensive work in the choice of words and the framing of sentences, paragraphs, news articles and other types of literary production, with special attention to punctuation, typographical directions, and the requirements of newspaper style. Tuesday, Wednesday and Thursday at 8. Mr. Thacher. This course is combined with:

1. **Elementary Newswriting and News Gathering**—Including fundamentals of general reporting, interviewing, news analysis, note taking, together with a study of news sources and lectures upon the modern newspaper. Monday and Friday at 8 o'clock. Mr. ALLEN.
Two hours, each term.

11. **Short Story Writing**—For those who in previous courses have evidenced an aptitude for writing the short story. Typical short stories, both classics and those from current periodicals, are analyzed and the actual production of short story work is undertaken. In the latter part of the course, consideration is given the standards and policies of contemporary magazines, and an attempt is made to produce marketable work. Mr. THACHER.
Two hours, each term.

103. GROUP OF COURSES KNOWN AS "OFFICE AND SHOP"

103. **Typography**—The study of type and its uses. Includes nomenclature, classification, measurement, adaptation to distinctive uses, relative economics, and esthetic principles, together with a study of its historic development. Wednesday and Friday at 9 o'clock. Mr. ALLEN *Two hours, fall term.*
Combined with:

103. **Proofreading**—Includes both book and newspaper proof correction. A study of hand-set, linotype and monotype proofs and their peculiarities. The tracing of all types of errors in proof to their characteristic causes. All forms of corrections, together with a criticism of printer's adaptation of type and formation to idea and purpose. Monday at 9 o'clock. Mr. TURNBULL.
Combined with: *One hour, fall and spring term.*

103. **Printing Materials**—Printing presses: varied uses and advantages and disadvantages of different designs. Paper: the different grades and kinds studied with reference to their appropriate employment. Paper measurement, weights and sizes. Ink. Typesetting machines. Trimmers, stitchers, folders, cutters and other printing machinery. Wednesday at 9 o'clock. Mr. ALLEN and Mr. HALL. *One hour, winter term.*
Combined with:

103. **Country Journalism**—All departments of newspaper work from the point of view of the country weekly. Includes reporting, editing, financing, shop management, circulation, advertising, and the handling of the country correspondence and agricultural news, analysis of the "field" of the country weekly. Monday and Friday at 9 o'clock. *Two hours, winter term.*
Combined with:

103. **Cost Accounting**—The Standard system of cost accounting for printers, with special reference to the small newspaper shop. Lectures, exercises, and practical laboratory in shop of the University Press, which belongs to the School of Journalism as its laboratory. Wednesday at 9 o'clock. Mr. ALLEN. *One hour, spring term.*
Combined with:

103. **Illustrative Processes**—Typographical division for colors, wood cuts, zinc and copper etching, photo-engraving, stereotyping and electrotyping. Friday at 9 o'clock. Mr. ALLEN.
Combined with: *One hour, spring term*

103. **Printshop Laboratory**—Actual work in printshop under careful instruction. All kinds of work handled sufficiently to give the student familiarity with printshop methods and problems. (This element of course may be taken separately by students in Education expecting to establish or to be connected with High School printing laboratories.) Monday, 1 to 3 o'clock. Mr. HALL.
One afternoon, each term.

102. GROUP OF COURSES KNOWN AS "NEWS"

102. **Advanced Newswriting**—Designed to carry a step further the training given in the elementary course. The student is developed toward professional standards, to the point where his news stories can be published in the daily papers with a minimum of editing. News sense is cultivated and a critical appreciation of news values stimulated. The student is encouraged to develop his "nose for news" by seeking "news tips" for which credit is given when reported to instructor, who acts as a "city editor" for his class of reporters. Three news assignments weekly are given each student, and all are prepared with a view to probable publication in some of

the available University, town and state papers. Types of newswriting in leading newspapers of the country are studied. Methods of handling typical difficulties in newsgetting are considered. Monday, Wednesday and Friday at 8 o'clock. Mr. TURNBULL.

Three hours, each term.

This course is combined with:

102. **Copyreading**—This is the critical part of the course, as the Advanced Newswriting is its constructive portion. The class works around a typical newspaper copy desk, where the members handle all the copy designed for publication in the student paper, editing it, correcting and revising any errors of fact, style and treatment. Here also is available for practice work the full report of the United Press leased wire. All matter edited is fitted with headings by the students. Headwriting is an important part of the course. The purpose of the copyreading work is to develop the critical observation, as well as to increase the student's facility for quick emendation of what is erroneous or otherwise faulty. The copy reading is given at six periods of two hours each during the week, and the student has his choice of any three of these: Monday, Wednesday and Friday, 4 to 6 P. M.; Tuesday, Thursday and Saturday, 10 to 12 A. M. Mr. TURNBULL. *Five hours, each term.*

104. GROUP OF COURSES KNOWN AS "EDITORIAL"

104. **Practical Editing**—Gathering material, selecting, rejecting, re-editing, heading, supervising make-up, and writing news and editorial where necessary. Class edits and actually prints a weekly News Bulletin which circulates throughout Oregon; a monthly magazine, Oregon Exchanges, which is widely read by newspapermen, and other publications from time to time. Combined with:

104. **Exchanges**—The study of contemporary newspapers. One term on Oregon publications and one term on United States and foreign. Includes a general study of contemporary journalism. Combined with:

104. **History of Journalism**—One term on beginning of Journalism in Europe together with a study of earlier methods of disseminating public information. Two terms on American journalism. Combined with:

104. **Journalistic Ethics**—A consideration of the place of Journalism in society and of its power for good and evil. An attempt to discover permanent principles of right action. Discussion of timely events in contemporary journalistic world and newspaper policies therein exemplified. Combined with:

104. **Editorial Writing**—Theory and practice. Combined with:

104. **Newspaper Problems**—A careful watch is kept on current happenings in the journalistic world, and an effort is made to analyze cause and effects, frequently through correspondence with the editors and publishers concerned. The above course, including all elements numbered 104 is given five times a week for three terms in the senior year. Mr. ALLEN. *Five hours, each term.*

105. **Law of the Press**—Law of libel, blackmail, literary property including copyright, privileged communications, federal regulations and other phases of law bearing on the Press. Hours to be announced. Dr. HOPE.

106. **Advertising**—Complete course in theory and practice. Definitions;psychology of advertising; consideration of media; determining how much to spend. Preparation of copy; consideration of returns. Examples of advertising that pulls, with an analysis of the principles, psychological and typographical, of the pulling power. Practice will be given in the preparation of copy designed for appeal to different classes of readers. Principles of display, including illustration and color, will be discussed. Textbook: "Advertising, Its Principles and Practice," by Tipper, Hotchkiss, Hollingsworth and Parsons. Winter term, Psychology of Advertising, Miss HAGER. Spring term, Practice of Advertising, Mr. THACHER.

Two hours, two terms.

107 b and c. **Home Economics Journalism**—This course is intended to equip Household Arts students as contributors to newspapers and magazines. Prerequisites: Journalism 102 and not less than fifteen credits in Household Arts. With parallel courses as advised after conference. Professor TINGLE, Professor ALLEN. Tuesday and Friday at 10 o'clock.

Two hours, winter and spring term.

109. **Estimating on Printing Jobs**—Elective for seniors who expect to work in smaller cities. Prerequisite, courses numbered 103. Hours to be arranged. Mr. HALL.

108. **Current Events**—Monday at 10 o'clock.
Mr. ALLEN. *One hour, each term.*

110. **Business Management Laboratory**—One hour a week, winter and spring terms. Hours to be arranged. Mr. ALLEN and Mr. HALL.

111. **Printshop Laboratory**—Advanced work, a continuation of certain sections of 103 for the benefit of students expecting to manage job printing establishments. Hours to be arranged. Mr. HALL.

114. **Advanced Writing**—A course of seminar character. Open to advanced students who desire to enter the field of authorship. Mr. THACHER. *Two hours, each term.*

115. **Magazine Writing**—Advanced course in journalistic writing. Special articles, fictionalized essays, and general types of writing for which there is a market among contemporary magazines and newspapers. Mr. THACHER. *Two hours, each term.*

171. **Criticism**—This course is advised for juniors majoring in journalism. It will afford practice in the writing of musical, dramatic, art and literary criticism. Thursday at 2 o'clock. Mrs. PARSONS. *Three terms.*

SCHOOL OF LAW

THE FACULTY

P. L. Campbell, A. B., LL. D., President.

Edward William Hope, Ph. D., Dean and Professor of Law.

James Duff Barnett, Ph. D., Professor of Law.

Sam Bass Warner, A. B., LL. B., Professor of Law.

Thomas A. Larremore, B. A., LL. B., Professor of Law.

E. R. Bryson, of the Lane County Bar, Lecturer on Oregon Practice and Procedure.

REQUIREMENTS FOR ADMISSION

Applicants for admission to the first year class must be at least nineteen; to the second year class, twenty, and to the third year class, twenty-one years of age. Special students must have qualifications to be stated hereafter. Every applicant for admission, whether as a regular or as a special or a partial student, must present a certificate of character. This must be in the form of a certificate of graduation, or of honorable dismissal from the school with which the applicant was last connected, or, in the case of special students who cannot present these, in the form of a general letter as to character.

Students who have completed two years of college work with a satisfactory selection of subjects are admitted to the school of law as regular students, and candidates for the degree of bachelor of laws upon satisfactory completion of the full three years' law course. Those who have had three full years of pre-legal collegiate work may receive the degree of bachelor of arts upon completion of the first year of law studies, and the degree of doctor of law on the completion of the full law course. Students who have already earned the degree of bachelor of arts before beginning their law course, may, on its completion, receive the degree of doctor of law (J. D.) Persons of mature age may be admitted as special students, and upon completion of the three years' course, if they have maintained a certain high standard of scholarship, may receive the degree of bachelor of laws.

For a full description of all law courses see the law school catalogue.

PRESENT-DAY IMPORTANCE OF A LEGAL TRAINING

Now that the war is over, we all of us, have the tremendous task awaiting us of reconstructing our national life and fitting it into a changed world. Great changes are certain to take place in our economic, political, moral and social ideas, and these new ideas must necessarily create new laws. More certain it is now than ever it was that our law will have to be re-written in large part, in order that it may embrace our expanding life. In certain fields of the law change actual or imminent is already to be seen. International law must be rebuilt to subserve the rightful interests of all nations. Law must replace arms, reason expel force. In the confederation of nations, national law will find its complement in the law of all nations. Private International Law, which regulates the dealings between private individuals of different foreign states, and is known also as the Conflict of Laws, will also suffer great change and development in the fierce competition for the markets of the world, and the increased intercourse and exchange of persons and goods. America is now and will become more and more a "world state." Our laws must be harmonized somewhat with the laws of other nations whose trade and friendship we desire. Their laws must be studied and understood, that we may make this contact.

In our own country changes are being wrought over night. Old prejudices fall before present needs. The law against combinations, the belief in competition, are brushed aside to make room for government regulation. Co-operation is winning over competition in the most advanced countries. The law will change to meet the new conditions. Legitimate business must be freed from all that is obsolete, cumbrous, unduly expensive and obstructive in the law. The relations of capital and labor must be ordered by just laws rather than by clashes of force. In the interest of production, to gain and hold new markets, to keep abreast of other nations, the state will take a larger hand in these disputes. The law relating to labor unions has changed much and will change far more.

The "woman movement" and the great changes in the economic condition of women have induced much change in the law of marriage and divorce. Women will demand—and should have—many more rights than have been accorded them hitherto. A determination on

their part to know the law and help make it, is seen in the increasing number of law schools for women, and their growing attendance in schools usually filled by men. Women will enter the legal profession more freely in the future.

In these and other fields of the law the old order is passing. The need and the opportunities for trained legal minds will be great and pressing. The world's life must be safely guided into new channels. Lawyers can best do this by recasting in the minds of legislatures and the public old legal doctrines in the light of present and future needs.

THE QUARTERS OF THE LAW SCHOOL

During the month of November, 1916, the Law school moved into the commodious quarters awarded to it on the third floor of Oregon Hall, of which it occupies tbout two-thirds of the floor space. This space is divided into three comfortable recitation rooms, well lighted and ventilated; the stack-room of the Law Library where the students study in the midst of the books; and the five offices of the Law Faculty, all opening into the stack-room. The arrangements are extremely convenient, offering to all ease and quickness of reference to the books, and a quiet retreat where law students may read the law without interruption or distraction of any kind. The whole building is steam heated and modern in every respect.

DIRECTIONS TO CANDIDATES FOR ADMISSION

Before applying for admission to the Law School, the candidate is required to present to Dean of the Law School the Comptroller's receipt for the payment of the term fee. It is essential, threfore, that a candidate for admission should apply first to the Registrar, register his name as a student in the Law School, and then pay his fees to the Comptroller. He is then entitled to apply for admission, and, in case of rejection, the money paid will be refunded by the Comptroller.

WHEN STUDENTS MUST ENTER

Students may enter at the beginning of any term, but for students not entering upon advanced standing, a full three years of residence

is required to complete the course. *In any case students are expected to enroll at the opening of the session. Those who enter late necessarily lose much of the work, and absences at that time are treated like other absences in reducing the number of hours of credit that may be earned. In no event can students who present themselves more than a month after the opening of any session be permitted to work for credits toward graduation during that session.*

Candidates for advanced standing must present themselves for examination one week before the opening of the law school.

ADMISSION AS CANDIDATES FOR A DEGREE

Graduates of approved universities or colleges and students who, in addition to an academic or high school course of four years, have completed two full years (sixty semester hours) of work in an approved university or college, are admitted to the Law School as candidates for the degree. The Law School does not require any particular subject to be selected during the necessary two years of college work, but it *earnestly recommends* that the subjects specified in the Pre-Legal Curriculum (hereinafter set forth) be pursued. Work of high school or academic grade taken during the college year will not be accepted as meeting the requirements of a college year. College courses in which there are unremoved conditions or other deficiencies will not be accepted.

In all cases the applicant should present to the Dean of the Law School, before the time of application, evidence that he comes within some one of the classes named. This, in the case of a university or college graduate, should be in the form of a certificate of graduation; in the case of other applicants, in the form of a certificate showing in detail the conditions of admission and the university or college work accomplished, and including an honorable dismissal signed by the proper authority.

In any case all preparatory work must be completed before entering upon law study, and no collegiate work whatever may be taken thereafter by regular students except by special permission of the Dean of the Law School.

TWO-YEAR COURSE
(Preliminary to the Study of Law)

It is a noticeable tendency of the times to require a more thorough preparation for all the professions. In none is this tendency more marked than the profession of Law. Therefore, every student who expects to enter this department is urgently recommended to secure as thorough a collegiate course as his circumstances will permit. A two-year course of studies, termed the Pre-Legal Curriculum, has been arranged for those who cannot take the full collegiate course in preparation for their professional work in law. Its purpose is to concentrate and thus conserve the student's energies by directing his efforts into fields which, while affording most valuable cultural results, will at the same time, it is thought, best prepare his mind to deal effectively with the law as student and practitioner. To this end it is suggested that the student selects his studies from the following list:

PRE-LEGAL CURRICULUM

First Year—

English Composition	3 to 9 hours
History (English and American)	12 hours
Chemistry	12 hours
Mathematics	12 hours
Latin (beginners' course)	15 hours
Elementary Law (required of all law students)	4 hours
Economics	8 hours
Physical Training	

Second Year—

Latin	12 hours
Physics	12 hours
American Government	8 hours
Psychology	9 hours
French or German	12 hours
Economics	10 hours
Logic	2 hours
History of Philosophy	9 hours
Rhetoric	6 hours
Public Speaking	9 hours
Physical Training	

A selection from the above subjects should be made to the extent of at least sixteen term hours. Eighteen hours may be taken if the grades obtained warrant this privilege.

If, after completing this two-year course, the student desires further preparation in liberal arts before beginning his professional studies, he may either continue through the regular courses of the junior or senior years of the College of Arts and Sciences, or after adding another year to the Two-Year Pre-Legal Course now completed, he may enter the combined six year course in Arts and Law, with the aim of obtaining his collegiate and law degrees in six years, thus shortening by one year a period of study usually covering seven. For this third year's work the student should take additional courses in History, Natural Science, Philosophy, Political Science, Economics or Sociology, and English Literature.

COMBINED SIX-YEAR COURSE IN ARTS AND LAW

This combined course is open only to students who have maintained a uniformly good record for scholarship during the first three years of Arts and Sciences.

The student is enrolled in the College of Arts and Sciences during the first three years. If at the end of three years he has a uniformly good record for scholarship, and has earned in addition to the credits gained in the Pre-Legal Curriculum enough more to bring this total number of credits up to one hundred and forty-four, he may, at the beginning of his fourth year enter the Law School forthwith for the first year's work in Law. From that time on he must devote his entire time and attention to the study of the law, and in his first year of law study he must earn at least thirty-six term hours to apply on his A. B. degree, thus making the one hundred and eighty credits required for the A. B. degree. This degree will be granted upon the satisfactory completion of the first year subjects in Law.

DEGREES

The Degree of Bachelor of Laws—

Students who have successfully completed the Two-Year Pre-Legal Curriculum of this University, or an equivalent two years of general culture study in this or another institution of recognized collegiate rank, and who have successfully completed courses in law aggregating one hundred and fifteen credits (the equivalent of three full years of professional study of law), and who have otherwise

satisfied the requirements of the University and of the Law School, will be granted the degree of Bachelor of Laws (LL. B.).

Special students who have maintained over the full three years of their law course at this school an average mark of S, and who by reason of exceptional ability and character are, in the opinion of the Law Faculty, deserving of this honor, may be granted the degree of Bachelor of Laws.

The Degree of Doctor of Law—

The degree of Doctor of Law (J. D.) will be granted to students who have received the degree of Bachelor of Arts, or its equivalent, from this University, or from some other institution of recognized collegiate rank, and who have satisfactorily completed courses in law aggregating one hundred and thirteen credits (the equivalent of three full years of professional study of law), and who have otherwise satisfied the requirements of the University and of the Law School. Since one year of law study may be counted toward the degree of Bachelor of Arts, the requirements for the degree of Doctor of Law may be satisfied by the successful completion of the Combined Six-Year Course in Arts and Law.

ADMISSION OF SPECIAL STUDENTS

Persons of mature age, but whose preliminary training has not been sufficiently extensive to satisfy the requirements for admission as regular students may, in some cases, be admitted as special students. Applicants for admission under this rule must submit to the Dean recommendations as to character and evidence of the possession of general education, maturity, experience, and exceptional ability that may be considered a fair equivalent of the formal preliminary requirements made in the case of regular students.

No one should present himself for admission as a special student until he has first received from the Dean assurance that his application has been favorably acted upon. Special students will be required to pursue and complete the courses to which they are admitted with the same thoroughness as regular students. Certificates will be given to special students who have been in residence for a year, stating the subjects pursued and the standings attained. As to eligibility of special students for law degrees, see under "Degrees."

ADMISSION OF PARTIAL STUDENTS

Persons who have been admitted to the University and who desire to study law as a preparation for business, may pursue in the Law School, without payment of additional fees, not to exceed two law courses a term.

ADMISSION TO ADVANCED STANDING

Admission to advanced standing is either upon examination or certificate from a law school of standard grade. Persons who have the necessary qualifications for admission to the Law School, and who have satisfactorily completed work in an approved law school, may, upon presentation of a certificate of scholarship and of honorable dismissal from such school, become candidates for advanced standing in this Law School to the extent of the work so completed. The certificate should show the nature of the work, the time it was pursued, the text or case books used and the grades received. Under similar conditions attorneys at law in good and regular standing from any state in which an adequate examination for admission to the bar is required may apply for one year's advanced standing (upon examination) in the Law School.

All candidates for advanced standing should secure the above-mentioned certificates of preparatory work and legal study and send them to the Dean of the Law School before presenting themselves for admission.

THE QUARTER SYSTEM

Beginning with the fall of 1917-18, the University changed from its former plan of dividing the year's work into halves or semesters, and adopted a three term system. This plan is followed by the Law School. The terms are known as the fall, winter, and spring terms, beginning respectively in 1919-20 on October 1, January 2, and April 5. Each term lasts for eleven or twelve weeks, and three terms constitute an academic year.

It is much better for beginning first-year regular students to enter at the beginning of the fall term than at any other time, for the reason that some of the most important courses begin then and continue through the following term. It would be disadvantageous or impracticable to begin in the middle of such courses. There are

always some courses, however, that begin at the opening of the winter and spring terms. The same objections do not usually apply in the case of students admitted to advanced standing.

TUITION AND FEES

The tuition for all regular and special students shall be ten dollars a term. This is in addition to the annual registration fee of $17.50, and the annual student body fee of $8.00. All fees are payable in advance. Students permitted to register late are required to pay the full charge for tuition for the term in which they register, and in addition the fines levied in such cases by the College of Arts and Sciences.

For any deficiency examination or deferred examination a fee of five dollars for each course in which such examination is granted shall be charged, payable in each case before the examination is held.

There shall be a graduation or diploma fee of ten dollars, payable to the Comptroller of the University prior to the date of graduation.

COURSES OF INSTRUCTION

The courses of instruction are arranged to present, as far as possible, the fundamental topics of the law during the first year, and the more specialized subjects during the second and third year.

The following schedule is subject to change:

FIRST YEAR

All first year courses are open to freshmen.

1. **Contracts**—Formation of simple contracts; mutual assent; consideration; formation of contracts under seal; delivery; consideration. Parties affected by contracts; contracts for the benefit of third persons; assignment of contracts; joint obligations. The Statute of Frauds; contracts within the statute; guarantees, agreements in consideration of marriage, agreements not to be performed within a year, contracts for the sale of goods; satisfaction of the Statute. Performance of contracts; express conditions, conditions

precedent and subsequent; implied conditions and effect of plaintiff's failure to perform his promise; impossibility. Illegal contracts; contracts in restraint of trade; wagers and gaming contracts; contracts obstructing the administration of justice; contracts tending to corruption. Discharge of contracts; parol agreement to discharge; novation; release; accord and satisfaction; arbitration and award; surrender and cancellation; alteration; merger. Williston, Cases on Contracts (two vols.). Professor HOPE.

Three hours throughout year.

2. **Criminal Law**—Nature of crime; source of criminal law; mental element in crime; intent and motive; parties in crime; crime as an act; attempts; specific crimes; crimes against the person; crimes against the dwelling house; felonious intent; jurisdiction. Beale, Cases on Criminal Law (2d ed.). Professor LARREMORE.

Three hours, spring term.

3. **Torts**—Trespass to persons, to real property, and to personal property; excuse for trespass; conversion; legal cause; negligence contributory and imputed negligence; plaintiff's illegal conduct as a defense; duties of land owners; hazardous occupations: liability for animals; deceit; defamation, slander, libel, privilege, malice, malicious prosecution, criminal and civil; interference with social and business relations, including breaches of duty, fair and unfair competition, strikes, boycotts, business combinations. Ames and Smith, Cases on Torts (ed. 1909-1910). Professor WARNER.

Three hours, fall and winter terms.

4. **Property 1.** Distinction between real and personal property; acquisition of rights in personal property; gifts; bailments; liens; pledges. Real property; tenures; estates; seisin and conveyance; incidents of ownership in real property; fixtures; easements; covenants as to use; public rights; franchises; rents. Gray Cases on Property, vols. 1, 2 (2d ed.). Professor LARREMORE.

Three hours, winter and spring terms.

5. **Civil Procedure at Common Law**—This course consists of a general survey of the principles of common law and code pleading with special emphasis upon the demurrer, confession and avoidance, and the traverse, followed by a special study of the more common

forms of action, including the necessary obligations therein and the methods of pleading defenses. Scott, Cases on Civil Procedure. Professor LARREMORE. *Three hours, fall and winter terms.*

6. **Agency**—Nature of relation; appointment; liability of principal for agent's torts, contracts, crimes; liabilities of agent; parties to writings; undisclosed principal doctrines; delegation of agency; termination; ratification. Huffcut, Cases on the Law of Agency (2d ed.). Professor LARREMORE. *Three hours, fall term.*

7. **Principles of Liability**—A study of liability, causation and negligence, with special emphasis upon these principles as applied in damage suits. Beale, Cases on Legal Liability. Professor WARNER. *Three hours, spring term.*

SECOND YEAR

8. **Equity 1—Contracts and Torts**—The origin, development, maxims, principles and doctrines of equity; relation between equitable rights and powers and legal rights and powers; jurisdiction, procedure and remedies of courts of equity; the equitable relations and remedies involved in obligations *ex contractu* and obligations *ex delicto* considered with respect to their interplay with the corresponding legal relations and remedies; specific performance of contracts, with emphasis on the special trust relations arising under executory contracts between vendors and purchasers of realty; specific prevention and reparation of torts; prohibitory and mandatory injunctions for such torts as waste, trespass, nuisance, infringement of patents and copyrights, interference with business relations, violations, violations of rights of privacy. Ames, Cases in Equity Jurisdiction, vol. 1. Professor HOPE. *Four hours, spring term.*

9. **Equity 2—Trusts**—Nature and requisites of a trust; express, resulting, and constructive trusts; charitable trusts; appointment and office of trustee; nature of cestui's interest; transfer of trust property by trustee or by cestui's; cestui's interest as affected by death, marriage, or bankruptcy of trustee or cestui; duties of trustee; extinguishment of trust; removal or resignation of trustee; accounting. Ames, Cases on Trusts (2d ed.). Professor WARNER. *Three hours, fall and winter terms.*

10. **Evidence.**—Respective functions of judge and jury; "law and fact"; presumptions; burden of proof; judicial notice; classification of evidence, relevancy as primary test of admissibility; principles and rules relating to the following; misleading or unimportant matters, character, admissions, confession, hearsay, witnesses' opinion and expert testimony, real evidence, evidence relating to execution, contents and interpretation of writing; various rules of substantive law stated in terms of "parol evidence rule"; competency of witnesses; privilege of witnesses; examination of witnesses. Thayer, Cases on Evidence (2d ed.). Professor HOPE.

Three hours, winter and spring terms.

11. **Sales of Personal Property**—Subject matter of sale; executory and executed sales; bills of lading and jus disponendi; seller's lien and right of stoppage in transitu, fraud; factors' acts; warranty and remedies for breach of warranty; statute of fraud. Woodward, Cases on Sales. Professor HOPE. *Three hours, fall and winter terms.*

12. **Persons and Domestic Relations**—Marriage; consent and capacity; marriage as a contract or relation; rights and duties; rights in property; contracts, conveyances, quasi-contractual obligations; wife's estates; ante-nuptial and post-nuptial settlements; separation and divorce. Parent and child; legitimacy, adoption, custody, support; earnings of child; liability for child's torts. Guardian and ward: selection and appointment of guardians; jurisdiction to appoint; rights, duties and liabilities of guardian; maintenance of ward; domicile; care of property and investments; guardians' bonds. Infants: period of infancy; privileges and disabilities; contracts; liabilities for necessaries; ratification and disaffirmance of contracts. Persons non compos mentis, and aliens. Master and servant: creation and termination of the relation; remedies for breach of contract; rights and duties inter se; master's liability for injuries to servant; negligence and assumption of risk. Kales, Cases on Persons, and Vernier, Cases on Marriage and Divorce. (Not given 1919-20).

13. **Bills and Notes**—This course deals with negotiable paper of all types. The law of checks, bills of exchange and notes is taken up, with a detailed discussion of: formal requisites; acceptance;

indorsement; transfer; extinguishment; obligation of parties; diligence; specialty character; the effect of the negotiable instruments law. Smith and Moore, Cases on Bills and Notes. Professor LARREMORE. *Four hours, spring term.*

14. **Property 2**—This course continues the subject as concluded by Property 1 by which it must be preceded, and includes during the first term a detailed study of title to land, especially in relation to possession and the subject of landlord and tenant. The following topics are considered: Nature and importance of legal possession; remedies to recover legal possession wrongfully withheld; effect of statutes of limitations; tacking of successive periods of adverse possession; "constructive" adverse possession under color of title; intent as element of title to legal possession; possession through occupation of a servant or agent; possession through occupation of a tenant; relationship of landlord and tenant compared with rights and liberties of persons in various other relations; possession through a co-tenant's occupation; exceptions and interruptions to running of statutes of limitations. Creation of relationship of landlord and tenant; duration of tenant's interest; eviction and its effects; remedies of landlord for non-performance of tenant's obligations; remedies of tenant against landlord; covenants running with the land between landlord and tenant; rights, liberties and duties of landlord with respect to third persons; rights, liberties and duties of tenant with respect to third persons. During the second term the course covers the acquisition of property on the death of the former owner, including consideration of gifts *causa mortis*, wills, probate, and administration. Gray, Cases on Property, vols. 3, 4, (2d ed.). Professor LARREMORE. *Three hours, fall and winter terms.*

15. **Damages**—Respective functions of court and jury in estimating damages; exemplary, liquidated, nominal, direct, and consequential damages; avoidable consequences; counsel fees; certainty, compensation, damages for non-pecuniary injuries; value, interest; and damages in certain actions of tort and contract. Beale, Cases on Damages. Professor LARREMORE. (Not given in 1919-20).

16. **Insurance**—A general survey of insurance law, life, accident, fire and marine insurance, with respect to: insurable interest;

concealment; misrepresentation; warranties; other causes of invalidity of contract; amount of recovery; subrogation; conditions; waiver, estoppel, election, and powers of agents; assignees and beneficiaries. Under marine and fire insurance will be included a thorough consideration of the doctrine of general average, and the standard fire policy generally adopted in the United States. Wambaugh, Cases on Insurance. (Not given 1919-20).

17. **Bankruptcy and Insolvency**—This course aims to give a complete exposition of the rights of creditors against insolvent debtors, and the means that may be resorted to in order to make those rights effective, and includes a consideration of insolvent assignments and conveyances in fraud of creditors as well as the study of the National Bankrupt Act of 1898 and its predecessors. Williston, Cases on Bankruptcy. Professor WARNER. *Four hours, spring term.*

THIRD YEAR

18 **Conflict of Laws**—Within the limits of the subject, a comparison is made of theories and practice in different jurisdictions, both in civil matters and in criminal; and attention is given to the special aspects of interstate law in the United States. Lorenzen, Cases on the Conflict of Laws. Professor HOPE.

Four hours, spring term.

19. **Constitutional Law (Political Science 101)**—Written and unwritten constitutions. The adoption and amendment of constitutions; the relations between the federal and state governments; the legislature, executive and judiciary; the states and territories; the individual and the government. McClain, Cases on Constitutional Law. Professor BARNETT. *Four hours, fall term.*

20. **Law of Officers (Political Science 102)**—The nature of public office; the formation and termination of the official relation; compensation of officers; exercise of official authority; liability of government for acts of officers; extraordinary legal remedies. Goodnow, Cases on Administrative Law, and selected cases. Professor BARNETT. *Four hours, winter term.*

21. **Corporations, Municipal (Political Science 103)**—The nature, constitution, powers and liabilities of public corporations. Beale, Cases on Municipal Corporations. Professor BARNETT.

Four hours, winter term.

22. **International Law. (Political Science 104)**—The nature and sources of international law; the history of international law; the subjects of international law; the law of peace, the law of war and the law of neutrality. Lawrence, Principles of International Law; and Scott, Cases on International Law. Professor BARNETT.

Four hours, spring term.

23. **Corporations, Private**—A general survey of the nature, power and obligations of private corporations, with a consideration of the rights and duties of promoters, officers, directors and stockholders, and of the rights of creditors and others against the corporation. The manner of creating and dissolving corporations, the nature of corporate stock, the effect of ultra vires acts, the powers of corporations to purchase shares of stock or to consolidate with other corporations, and the power of Congress and of the Legislature to regulate and control the acts of corporations are among the topics treated. Canfield and Wormser, Cases on Corporations. Professor WARNER. *Three hours, fall and winter terms.*

24. **Partnership**—Nature of a partnership, its purpose, and members; creation of partnership; nature of partner's interest; firm name and good-will; mutual rights and duties of partners; actions between partners, at law and in equity; powers of partners; liability for acts of partners in contract and tort; general liability of partners; dissolution and notice; consequence of dissolution agreement respecting debts; distribution of assets to creditors and between partners; limited partnership. Ames, Cases on Partnership. Professor LARREMORE. (Not given 1919-20).

25. **Public Service and Carriers**—Brief survey of bailments in general. Common law duties and liabilities of those who are engaged in public service; statutory regulation of services and charges and

the validity of such regulations. Common carriers of goods and passengers at common law and under federal and state legislation. Burdick, Cases on Public Service; McClain, Cases on Carriers, (3d ed.). Professor WARNER. *Three hours, fall term.*

26. **Quasi-Contracts**—Under the head of quasi or constructive contracts is embraced all that very large class of obligations which, while not contractual in fact, are enforced as if they were so. They constitute largely that great mass of obligations for the enforcement of which the action of assumpsit was devised. The course includes such topics as the payment of money by mistake, duress, or fraud, and the waiver of tort. Woodruff, Cases on Quasi-Contracts. Professor HOPE. (Not given 1919-20).

27. **Suretyship**—Nature of the contract of suretyship; surety's defenses against the creditors, based upon absence, extinguishment, or suspension of the liability of the principal debtor, or upon principal debtor's right of set-off or counter-claim against the creditor; surrender or loss of securities by creditor; variation of surety's risk; surety's rights; subrogation to the rights of the creditor; indemnity; contribution; exoneration; creditor's rights to surety's securities. Ames, Cases on Suretyship. Professor HOPE. (Not given 1919-20).

28. **Mortgages**—All forms of mortgage security, both real and chattel; essential elements of legal and equitable mortages; legal and equitable rights, powers and remedies of morgagor and mortgagee with respect to title, possession, rents and profits, waste, collateral agreements, foreclosure; redemption; priorities; marshalling; extension of mortgages; assignment of mortgages; discharge of mortgages. Durfee, Cases on Mortgages. Professor LARREMORE. (Not given 1919-20).

29. **Oregon Practice**—Organization and jurisdiction of courts; court records and files; proceedings prior to judgment, including: services and return of summons and motions relating thereto, appearances, provisional remedies, such as attachment, arrest, etc., lis pen-

dens, the trial, exceptions and findings, verdict; the judgment, its entry and satisfaction; proceedings subsequent to judgment, including: Stay of execution, costs, execution, motion for new trial, appellate proceedings; probate and administration proceedings; special proceedings, including writs of certiorari, mandamus and prohibition; introduction to jurisdiction and procedure of federal courts. Mr. BRYSON. *Two hours, throughout the year.*

30. **Moot Court**—During the first year all students taking law courses with a view to practicing law are required at frequent intervals to argue cases on submitted statement of fact, before their fellow students and members of the law faculty.

One hour, throughout year.

SCHOOL OF MEDICINE

FACULTY

P. L. Campbell, B. A., LL. D., President of the University.

Henry E. Jones, M. D., Emeritus Professor of Clinical Gynecology.

George Milton Wells, M. D., Emeritus Professor of Pediatrics.

Andrew Jackson Giesy, M. D., Emeritus Professor of Clinical Gynecology.

Simeon Edward Josephi, M. D., Professor of Nervous and Mental Diseases. Head of Department of Mental and Nervous Diseases and Medical Jurisprudence.

Kenneth A. J. Mackenzie, M. D., C. M., L. R. C. P. and L. R. C. S., Edin., Dean, Professor of Operative and Clinical Surgery. Head of Department of Surgery.

Richard Nunn, B. A., B. Ch., M. D., Professor and Head of Department of Diseases of Eye, Ear, Nose and Throat.

James Francis Bell, M. D., L. R. C. P. London, Professor of Theory and Practice of Medicine, Head of Department of Medicine.

George Flanders Wilson, M. D., Professor of Principles and Practice of Surgery.

Ernest Fanning Tucker, B. A., M. D., Professor of Gynecology. Head of Department of Gynecology.

Edmunde John Labbe, M. D., Professor of Obstetrics.

Albert Edward MacKay, M. D., Professor of Genito-Urinary Diseases.

Robert Clarke Yenney, M. D., Prfoessor of Clinical Medicine.

Richard D. Dillehunt, M. D., Professor of Anatomy.

Robert Louis Benson, A. M., M. D., Professor of Pathology, Head of Department of Pathology.

Howard D. Haskins, A. B., M. D., Professor of Biochemistry, Head of Department of Biochemistry.

Harold B. Myers, A. B., M. D., Professor of Materia Medica, Pharmacology and Toxicology, Head of Department of Pharmacology, Assistant Dean.

William F. Allen, A. M., Ph. D., Professor of Anatomy, Head of Department of Anatomy.

George E. Burget, S. B., Ph. D., Professor of Physiology. Head of Department of Physiology.

H. J. Sears, A. B., A. M., Ph. D., Professor of Bacteriology. Head of the Department of Bacteriology and Hygiene.

ASSOCIATE PROFESSORS

James Cullen Zan, M. D., Associate Professor of Clinical Surgery.

Frank R. Menne, B. S., M. D., Associate Professor of Pathology.

William House, M. D., Associate Professor of Nervous and Mental Diseases.

Alvin Walter Baird, A. B., M. D., Assistant Professor of Surgery.

ASSISTANT PROFESSORS

J. Allen Gilbert, Ph. D., M. D., Assistant Professor of Medicine.

J. C. Elliot King, A. B., M. D., Assistant Professor of Dermatology and Syphilology.

Clarence J. McCusker, B. S., M. D., Assistant Professor of Obstetrics.

T. Homer Coffen, A. B., M. D., Assistant Professor of Clinical Medicine.

Laurence Selling, A. B., M. D., Assistant Professor of Clinical Medicine.

William S. Knox, B. S., M. D., Assistant Professor of Clinical Medicine.

Otis Buckminster Wight, A. B., M. D., Assistant Professor of Gynecology.

George Shattuck Whiteside, M. D., Assistant Professor of Genito-Urinary Surgery.

Calvin S. White, M. D., Assistant Professor of Medicine (Hygiene and Sanitation.)

Ralph Charles Matson, M. D., Assistant Professor of Medicine. In charge of Tuberculosis Division of Out-Patient Department.

Charles E. Sears, B. S., M. D., Assistant Professor of Medicine.

Ray W. Matson, M. D., Assistant Professor of Medicine. In charge of Tuberculosis Division of Out-Patient Department.

J. Earle Else, M. S., M. D., Assistant Professor of Surgery.

I. C. Brill, A. B., M. D., Assistant Professor of Clinical Medicine.

ASSOCIATES

George Ainslie, M. D., Associate in Ophthalmology.
J. B. Bilderback, M. D., Associate in Pediatrics.
John N. Coghlan, M. D., Associate in Otology.
Ralph A. Fenton, A. B., M. D., Associate in Rhinology and Laryngology.
L. H. Hamilton, A. B., M. D., Associate in Surgery.
George F. Koehler, M. D., Associate in Medicine.
Harvey G. Parker, M. D., Associate in Dermatology.
George Norman Pease, A. B., M. D., Associate in Surgery.
Frank M. Taylor, A. B., M. D., Associate in Medicine.
Ralph C. Walker, M. D., Associate in Medicine, (Radiology).
Fred Ziegler, B. S., M. D., Associate in Surgery.
Paul Rockey, M. D., Associate in Surgery.
J. F. Dickson, M. D., Associate in Ophthalmology.
W. B. Holden, M. D., Associate in Surgery.
B. L. Norden, M. D., Associate in Surgery.
C. R. McClure, M. D., Associate in Surgery (Orthopedic).
A. C. Smith, M. D. Associate in Surgery.

INSTRUCTORS

Horace Burnett Fenton, A. B., M. D., Instructor in Therapeutics.
Donald H. Jessup, Phm. G., M. D., Instructor in Surgery.
Frederick A. Kiehle, A. B., M. D., Instructor in Ophthalmology.
James Wendell Rosenfeld, A. B. M. D., Instructor in Pediatrics.
William E. Shea, M. D., Instructor in Surgery.
Raymond E. Watkins, M. D., Instructor in Surgery.
Courtland Linden Booth, A. B., M. D., Instructor in Obstetrics.
William George Scott, M. D., Instructor in Obstetrics.
Marr Bisaillon, M. D., Instructor in the Out-Patient Tuberculosis Clinic.
Harriett J. Lawrence, M. D., Instructor in the Out-Patient Tuberculosis Clinic.
C. Stuart Menzies, M. D., Instructor in Anatomy.
Allen P. Noyes, M. D., Instructor in Pediatrics.
H. W. Howard, M. D., Instructor in Genito-Urinary Surgery.
E. F. Ziegelman, M. D., Instructor in Gynecology.

Arthur S. Rosenfeld, A. B., M. D., Instructor in Medicine.
G. Lee Hynson, M. D., Instructor in Surgery.
Carl T. Ross, M. D., Instructor in Surgery.
B. N. Wade, M. D., Instructor in Surgery.
Eugene Rockey, M. D., Instructor in Surgery.
Gertrude French, B. S., M. D., Instructor in Ophthalmology.
R. F. Davis, M. D., Instructor in Ophthalmology.
Andrew J. Browning, M. D., Instructor in Anaesthesis.
Leo Ricen, M. D., Instructor in Medicine.
Mary MacLachlan, M. D., Instructor in Gynecology.
Bertha Stuart, M. D., Instructor in Pediatrics.
William F, Kaiser, M. D., Instructor in Surgery.
R. J. Chipman, M. D., Instructor in Pediatrics.
Robert G. Hall, M. D., Instructor in Pediatrics.
John G. Abele, M. D., Instructor in Infectious Diseases.
J. W. Luckey, M. D., Instructor in Mental and Nervous Diseases.
J. M. Short, M. D., Instructor in Medicine.

RESEARCH FELLOW

Charles U. Moore, M. S., M. D., Research Fellow in Biochemistry.
Ethel Montgomery, Secretary-Registrar.

HISTORY

The Medical School of the University of Oregon was established at Portland in 1887 by a charter from the Regents of the University. The first building was a small frame structure located at what is now the corner of Marshall and Twenty-second streets, on the grounds of the Good Samaritan Hospital. It consisted of a single lecture room on the ground floor, and an anatomical laboratory, on the upper floor. In 1890 the present lot was purchased, and the building was transferred to it and remodeled. The present building was erected in 1892. It is a three-story structure and contains well-equipped laboratories, a convenient dissecting room, two large lecture rooms, and the medical school library.

The merger of the medical department of the Willamette University, the first foundation of the kind in the State of Oregon, with the Medical School of the University of Oregon, was effected by

mutual and friendly arrangements on the first day of September, 1913. Under the terms of the merger the Medical Department of the Willamette University retired permanently from the field of medical education, and transferred its entire enrollment, numbering forty, to the State School in the city of Portland, and arrangements were effected so that the students of the Willamette University were graduated during the course of the following three years, and received degrees indicative of the merger of the two schools, and the alumni of both schools are consolidated under the Medical School of the University of Oregon, which becomes at once the sole school of medicine in the Pacific Northwest, thus serving the largest territory in the United States served by one medical school.

In the spring of 1914 a gift of 20 acres of land was made to the Medical School of the University of Oregon by the Executive Committee of the Oregon-Washington Railroad & Navigation Company. The campus is situated on Marquam Hill, one of the most attractive scenic points in the city of Portland, and will be approached by easy grades from the Terwilliger Boulevard. Under the terms of the gift it will be possible to erect hospitals upon the campus which will enable the faculty of the school to give the most practical instruction upon all branches of medicine.

By an act of the Legislature of the State in 1915, fifty thousand dollars was appropriated for the construction of the first unit of a medical group, contingent upon a popular subscription of $25,000. This provision was met, and the Legislature of 1917 augmented the fund by providing $40,000 more. A reinforced concrete building, 200 by 65 feet, of three stories, representing the most modern ideas in medical college building construction, is now nearing completion.

FACILITIES

Buildings

The Medical School building is a three-story structure, heated by hot water and lighted by gas and electricity. The laboratory work is conducted here. Two large lecture halls supplied with charts, blackboards, and a projection lantern, admirably meet the need for lectures, quizzes and demonstrations.

Laboratories

In 1910, a complete recorganization of the various laboratory departments was instituted, the laboratories were newly equipped, and the facilities were much improved. The laboratories of chemistry, physiology, histology, bacteriology, pathology, pharmacology and anatomy possess all the modern apparatus for practical instruction in those subjects.

Clinical Advantages

The Medical School has exceptional clinical advantages because of its intimate relation to large general hospitals, in all of which are conducted parts of the work of the clinical years.

Good Samaritan Hospital accommodates 230 patients and has recently built a new operating room with a convenient amphitheatre.

St. Vincent's Hospital contains 375 beds and six excellent operating rooms, one of which has a large amphitheatre, specially constructed to afford facilities for teaching surgery and medicine in this Medical School.

Multnomah County Hospital is a charitable institution readily accessible by street car, and affords much material for practical clinical work. This institution will soon be enlarged to comply more thoroughly with the needs of Multnomah County.

Members of the faculty conduct clinics daily in these hospitals, and the student is brought into actual contact with methods of diagnosis and treatment.

The "Crippled Children Law," passed at the 1917 session of the legislature, provides for the treatment of all indigent crippled children of the state by the Medical School.

Portland's geographical position is such that its hospitals receive many patients from a large surrounding territory, resulting in a great diversity of clinical material.

Dispensaries

The Portland Free Dispensary is conducted by the Medical School, in cooperation with the People's Institute and the Visiting Nurse Association. It is located at Fourth and Jefferson streets, in excel-

lent quarters, providing adequate rooms for all departments of clinical teaching, and complete laboratory equipment. Over 3000 patients were cared for in 1916, assuring a good daily attendance. Small groups of third and fourth year students are assigned to daily dispensary service under immediate supervision.

The Jewish Neighborhood House, at Second and Hooker streets, affords an excellent dispensary service in Pediatrics and Otolaryngology.

Library

The Medical School library was established by the gift of the libraries of the late R. B. Wilson and Rodney Glisan, two distinguished pioneer physicians of this State. Numerous volumes have been added, making a total of nearly 4000. About 140 recent volumes have been purchased and the periodicals number 53.

REQUIREMENTS FOR ADMISSION

1. High School Requirements

(a) For admission to the two-year premedical college course, students shall have completed a four-year course of at least fourteen units (fifteen after Jan. 1, 1920) in a standard accredited high school or other institution of a standard secondary school grade, or have the equivalent as demonstrated by examinations conducted by the College Entrance Examination Board, or by the authorized examiner of a standard college or university which has been approved by the Council on Medical Education. Unless all the entrance units are obtained by examination, a detailed statement of attendance at the secondary school, and a transcript of the student's work should be kept on file by the college authorities. This evidence of actual attendance at the secondary schools should be obtained, no matter whether the student is admitted to the freshman or to the higher classes.

(b) Credits for admission to the premedical college course may be granted for the subjects shown in the following list and for any other subject counted by a standard accredited high school as a part of the requirements for its diploma, provided that at least eleven units must be offered in Groups I-V:

SCHEDULE OF SUBJECTS REQUIRED OR ACCEPTED FOR ENTRANCE TO THE PRE-MEDICAL COLLEGE COURSE

Subjects:	Units*	Required
Group I, English—		
Literature and composition	3–4	3
Group II, Foreign Languages—		
Latin	1–4	2†
Greek	1–3	
French or German	1–4	
Other foreign languages	1–4	
Group III, Mathematics—		
Elementary algebra	1	1
Advanced algebra	½–1	....
Plane geometry	1	1
Solid geometry	½	....
Trigonometry	½	....
Group IV, History—		
Ancient history	½–1	1
Medieval and modern history	½–1	
English history	½–1	
American history	½–1	
Civil government	½–1	
Group V, Science—		
Botany	½–1	....
Zoology	½–1	....
Chemistry	1	....
Physics	1	....
Physiography	½–1	....
Physiology	½–1	....
Astronomy	½–1	....
Geology	½–1	....
Group VI, Miscellaneous—		
Agriculture	1–2	
Bookkeeping	½–1	
Business law		....
Commercial geography	½–1	....
Domestic science	1–2	....
Drawing, freehand and mechanical	½–2	....
Economics and economic history	½–1	....
Manual training	1–2	....
Music: Appreciation or harmony	1–2	....

*A unit is the credit value of at least thirty-six weeks' work of four or five recitation periods per week, each recitation period to be not less than forty minutes. In other words, a unit represents a year's study in any subject in a secondary school constituting approximately a quarter of a full year's work. A satisfactory year's work in any subject cannot be accomplished under ordinary circumstances in less than 120 sixty-minute hours, or their equivalent.

†Both of the required units of foreign language must be of the same language, but the two units may be presented in any one of the languages specified.

Of the fourteen units of high school work, (fifteen after January 1, 1920) eight units are required, as indicated in the foregoing schedule; the balance may be made up from any of the other subjects in the schedule.

II. Premedical College Course

(c) The minimum requirement for admission to acceptable medical schools, in addition to the high school work specified above, will be sixty semester hours of collegiate work, extending through two years, of thirty-two weeks each, exclusive of holidays, in a college approved by the Council on Medical ducation. The subjects included in the two years of college work should be in accordance with the following schedule:

SCHEDULE OF SUBJECTS OF THE TWO-YEAR PREMEDICAL COLLEGE COURSE

Sixty Semester Hours* Required

Required Subjects:	Semester Hours
Chemistry, Inorganic (a1)	8
Organic (a2)	5
Physics (b)	8
Biology (c)	8
English composition and literature (d)	6
Other nonscience subjects (e)	12
Subjects Strongly Urged:	
French or German (f)	6–12
Advanced botany or advanced zoology	3– 6
Psychology	3– 6
Advanced mathematics including algebra and trigonometry	3– 6
Additional courses in chemistry	3– 6
Other Suggested Electives:	
English (additional), economics, history, sociology, political science, logic, mathematics, Latin, Greek, drawing.	

*A semester hour is the credit value of sixteen weeks' work consisting of one lecture or recitation period per week, each period to be not less than fifty minutes net, at least two hours of laboratory work to be considered as the equivalent of one lecture or recitation period.

SUGGESTIONS REGARDING INDIVIDUAL SUBJECTS

(a1) **Chemistry, Inorganic**—Four semester hours of lectures and recitations (at least 64 total hours) and 150 hours of laboratory work are required; the inclusion of qualitive analysis as part of the work being allowed.

(a2) **Chemistry, Organic**—The minimum requirement is 40 lecture and 80 laboratory hours, but the work must be distributed over the entire subject. Students are strongly urged, however, to take the full course of 6 or 8 semester hours.

Optional Work—Brief courses in physical chemistry and quantitative analysis are recommended to those who wish to do extra work in chemistry.

(b) **Physics**—Eight semester hours required, of which at least two must be laboratory work. It is urged that this course be preceded by a course in trigonometry. This requirement may be satisfied by six semester hours of college physics, of which two must be laboratory work, if preceded by a year (one unit) of high school physics.

(c) **Biology**—Eight semester hours required, of which four must consist of laboratory work. This requirement may be satisfied by a course of eight semester hours in either general biology or zoology, or by courses of four semester hours each in zoology and botany, but not by botany alone.

(d) **English Composition and Literature**—The usual introductory college course of six semester hours, or its equivalent, is required.

(e) **Nonscience Subjects**—Of the sixty semester hours required as the measurement of two years of college work, at least eighteen, including the six semester hours of English, should be in subjects other than the physical, chemical or biological sciences.

(f) **French or German**—A reading knowledge of one of these languages is strongly urged. If the reading knowledge of one of these languages is obtained on the basis of high school work, the student is urged to take the other language in his college course. It is not considered advisable, however, to spend more than twelve of the required sxity semester hours on foreign languages. In case a reading knowledge of one language is obtained by six semester hours of college work, another six semester hours may be well spent in taking the beginner's course in the other language; if this is followed up by a systematic reading of scientific prose, a reading knowledge of the second language may be readily acquired. When a student spends more than two years in college he may well spend twelve semester hours of his college work in the second language.

These credits are accepted from accredited universities and colleges upon credentials from the proper authority, but work done in other medical or professional schools is not accepted as a substitute for the required college subjects.

No students are admitted with any condition.

Admission by Examination

Students who have completed the required work in colleges or universities not accredited by the University of Oregon must pass examination in the required branches. This examination is conducted by the faculty of the University College of Literature, Science and the Arts, and upon completion of the examination the student must submit credentials from the University certifying that such credit has been approved.

Admission to Advanced Standing

No student will be admitted to advanced standing who has not complied fully with the requirements for admission to this Medical School. Credits will be given to students from other recognized medical institutions, the requirements for admission and standard of work of which are equivalent to those of this Medical School upon presentation of credentials from proper authority. Such student must submit a certificate of honorable discharge from his previous college, as well as evidence (such as laboratory note-books) of the exact amount of work he has successfully completed there, both of which are subject to the approval of the heads of the department involved and of the Dean.

Inasmuch as four years of residence in a recognized medical school is required for the degree of Doctor of Medicine, no time credit is given for work done at Eugene, or in other non-medical colleges, but subject credit may be given for satisfactory work if approved by the Dean, and the head of the Medical School department concerned.

Combined Degree Course

Those students who have successfully completed three years of work in the University, leading to the degree of Bachelor of Arts, and embracing not less than ninety semester hours of credit, may, upon the successful completion of the first year in the Medical School, embracing thirty-four semester hours, receive the degree of Bachelor of Arts, when approved by the College of Literature, Science and the Arts.

Pre-Medical Courses

Special pre-medical courses are offered by many universities, and they are, as a rule, particularly adapted to fulfill the requirements

of all Class A medical schools. An excellent course is provided by the College of Literature, Science and the Arts of the University of Oregon. In addition to the required subjects, the student is strongly advised to elect courses in English, Latin, Psychology and Drawing.

Special Students

Students who are not candidates for the degree of Doctor of Medicine may register in courses in the fundamental laboratory branches for which they are prepared, as special students; and graduates in medicine may register as special students in any course. But no matriculants will be accepted as special students in clinical subjects, other than graduates in medicine; and no graduates in medicine will be accepted as candidates for the degree of Doctor of Medicine.

The Curriculum

The curriculum consists of four annual sessions of thirty-two weeks (two semesters) each. The first two years are devoted chiefly to the fundamental branches; anatomy, both gross and minute; physiology, biochemistry, neurology, embryology, pathology, pharmacology, bacteriology, materia medica and toxicology.

The last two years embrace the clinical branches. Medicine, surgery, obstetrics, gynecology, therapeutics, laboratory diagnosis, clinical pathology, nervous and mental diseases, genito-urinary diseases, and diseases of the eye, ear, nose and throat.

The student approaches the practical subjects of the third year, after the completion of those subjects preparatory to practical medicine. The principles of medicine, surgery and obstetrics are taken up in recitations, in sections at the dispensary, and in the clinics. Clinics, lectures, recitations and demonstrations are conducted in medicine, surgery, nervous diseases, gynecology, eye, ear, nose and throat, genito-urinary diseases, dermatology and pediatrics.

Classes are sufficiently small to allow each student the advantages of much personal instruction.

Requirements for Graduation

The following are the requirements of the candidates for the degree of Doctor of Medicine:

He must have finished four full medical courses of at least eight

months each, no two of which shall have been taken within the same twelve months, and the last of which must have been taken in this Medical School.

He must have secured satisfactory standing in all examinations and he must be present at commencement exercises and receive his diploma in person unless excused for good reason by the faculty.

GENERAL INFORMATION

Routine of Entrance

All applications should be addressed to the Dean, Medical School, University of Oregon, Portland, Oregon.

Each student contemplating matriculation should submit: (a) a complete official transcript of his high school work, and (b) a complete official record of his college or university work, either in person or by mail, as early as possible. Upon receipt of these he will be promptly notified of his acceptance and the credentials will be retained, or of his rejection and they will be immediately returned to the applicant.

Matriculation and Registration

The new student is required to present, on matriculation day, (a) his admission credits, if not previously presented; (b) his letter of honorable dismissal from previous college; (c) a certificate of good, moral character; and (d) must pay the matriculation fee and fees and deposits for the ensuing term.

Any of the above may be done by correspondence or otherwise, but the student must present himself on registration day for approval of credentials and assignment to classes.

Application for admission will not be considered later than October 7, and an extra charge of five dollars ($5.00) will be made for registration later than September 30.

Matriculation and registration will be conducted at the office of the Assistant Dean in the Medical School building on September 27 and 28, from 9 to 12 a. m.

Fees and Deposits

Matriculation Fee—The matriculation fee is five dollars ($5.00), and is required of every student entering the Medical School, and is payable but once.

Tuition—The tuition for each year is one hundred and fifty dollars ($150.00), and is payable at the beginning of the school term. Those preferring to pay tuition in two payments may do so by paying eighty dollars ($80.00) at the beginning of the first semester and seventy-five dollars ($75.00) at the beginning of the second. This fee includes all laboratory fees.

Breakage Deposit—A deposit of ten dollars ($10.00) is required of each student at the beginning of each year for general breakage. The cost of damage done by an individual to University property will be deducted from his deposit; and in case the identity of the one responsible cannot be established, a pro rata charge will be made against the entire class of which he is a member. The remainder of this deposit will be returned at the end of each school year.

All fees are payable in advance at the time of matriculation. Fees are not returnable at any time, except by special action of the Faculty.

The Faculty reserves the right to make changes in curriculum, fees or any other matter at any time.

If a special examination is granted, a fee of $5.00 must be paid the office.

Special Students

Students who register for special work, and who are not candidates for the degree of Doctor of Medicine, will be charged tuition according to the amount of work undertaken and the nature of the courses.

Post Graduates

Graduates of this or other medical schools who are visiting the city for a brief time are cordially invited to attend the various clinics and classes, but those intending to take any definite course must arrange with the Dean.

Board and Lodgings

Good rooms with all modern conveniences can be obtained in the vicinity of the Medical School at from $10.00 to $15.00 a month. Board may be had at from $18.00 to $20.00 a month; and room an board together may be obtained at from $25.00 to $30.00 a month.

Books and Instruments

The average annual cost of books, instruments and other supplies varies from $15.00 to $25.00. The instructors should be consulted before buying textbooks.

Lockers and Microscopes

Coat room and laboratory lockers will be assigned and a deposit of fifty cents must be made when a key for the same is received. Microscopes are are rented at a cost of $5.00 per year; oil immersion lens $1.00 extra. Students are urged to purchase microscopes the first year.

RESUME OF WORK

The following is an outline of the work. The curriculum is largely prescribed and this resume includes only that work required of every student. The hours have been figured on a basis of sixteen weeks to a semester.

First Year

SUBJECT	Hours per week		Hours per Semester	
	Laboratory	Lecture or Quiz	Laboratory	Lecture or Quiz
First Semester—				
Anatomy:				
Gross	12	2	192	32
Histology	8	2	128	32
Biochemistry	9	3	176	48
Second Semester—				
Anatomy:				
Gross	12	2	192	32
Neurology	5	1	80	16
Embryology	4	2	64	32
Biochemistry	9	3	144	48
			976	240
Total hours				1,216

Second Year

First Semester—				
Bacteriology, 12 weeks	12	3	144	36
Pathology, 4 weeks	12	3	48	12
Physiology	9	3	144	48
Second Semester—				
Pathology	12	3	192	48
Pharmacology	9	5	144	80
Topographic Anatony	6	....	96	....
Physical Diagnosis	....	2	....	32
			760	256
Total hours				1,016

Third Year

SUBJECT	Hours per week		Hours per semester	
	Laboratory or Clinic	Lecture	Laboratory or Clinic	Lectnre
First Semester—				
Pathology	4	2	64	32
Medicine:				
Recitation	....	3	....	48
Physical Diagnosis	....	2	....	32
Clinic	1	....	16	....
Laboratory Diagnosis	4	2	6	32
Therapeutics	....	2	....	32
Dietetics	....	1	....	16
Gastro-Intertinal	....	2	....	32
Surgery:				
Recitation	....	2	....	32
Clinic	2	....	32	....
Obstetrics	....	3	....	48
Nervous Diseases	....	1	....	16
Dispensary	4	....	64	....
Surgical Anatomy	2	....	32	....
Second Semester—				
Medicine:				
Recitation	....	3	....	48
Hygiene and Sanitation	....	2	....	32
Clinics	2	....	32	....
Surgery:				
Recitation	....	2	....	32
Clinic	1	....	16	....
Genito-Urinary Diseases	1	2	16	32
Nervous Diseases	....	2	....	32
Dermatology	....	2	....	32
Dispensary	8	....	128	....
Obstetrics	....	3	....	48
Gynecology	....	2	....	32
Eye, Ear, Nose and Throat	....	4	....	64
Pathology	2	2	32	32
			496	704
Total hours				1,200

Fourth Year

SUBJECT	Hours per wc		Hours per semester	
	Clinic	Lecture	Clinic	Lecture
First Semester—				
Medicine:				
Clinic (Yenney)	4	....	64	....
Clinic (Gilbert)	2	....	32	....
Clinic (Bell)	1	....	16	....
Dispensary	2	....	32	....
Surgery:				
Clinic (Mackenzie)	6	....	96	....
Clinic (Wilson)	....	2	....	32
Clinic (Baird)	1	....	16	....
Dispensary	3	....	48	....
Obstetrics	1	....	16	....
Nervous Diseases	1	2	16	32
Gynecology Dispensary	1	....	16	....
Pediotric s	....	2	....	32
Dermatology and Syphilis	....	1	....	16
Genito-Urinary Diseases	1	2	16	32
Eye, Ear, Nose and Throat	1	2	16	32
Serum Diagnosis	1	....	16	....
Second Semester—				
Medicine:				
Clinic (Bell)	3	....	48	....
Clinic (Yenney)	4	....	64	....
Clinic (Gilbert)	2	....	32	....
Dispensary	4	....	64	....
Jurisprudence	....	1	....	16
Surgery:				
Clinic (Mackenzie)	6	....	96	....
Lecture (Baird)	....	2	....	32
Orthopedic	....	2	....	32
Operative Surgery	3	....	48	....
Nervous Diseases (Clinic)	1	....	16	....
Gynecology	1	2	16	32
Pediatrics	....	3	....	48
X-ray and Electro-Therapeutics	....	2	....	32
Eye, Ear, Nose and Throat	1	2	16	32
			800	400

Total hours 1,200

Grand total hours 4,622

DEPARTMENTS OF INSTRUCTION

I. ANATOMY

Professor WILLIAM F. ALLEN Professor RICHARD B. DILLEHUNT
Assistant WILMOT C. FOSTER Technician R. WALTER JOHNSON

This department provides instruction in gross and misroscopic human anatomy. The former is given in well-lighted and well-ventilated dissecting rooms, where ample dissecting material, charts, models, articulated and disarticulated skeletons are available.

The microscopical laboratory is fully equipped with microscopes, models, demonstration preparations, etc., for instruction in histology, embryology and neurology. Students do not make their own microscopical preparations, but are supplied with individual histological, embryological and neurological sets, so that their full time is occupied with a study of the subject at hand.

1. GROSS ANATOMY

A course in which each student dissects a lateral half of a human body. A definite amount of dissection is planned for each week, which must be satisfactorily demonstrated to the instructor before proceeding to the next.

The work is divided into three courses: 1a—Abdomen and Leg; 1b—Head and Neck; 1c—Arm and Thorax. Each course requires about ten weeks for completion. Occasional lectures, one recitation and eleven hours laboratory per week, throughout the year.

1c—4 credit hours.
1b—4 credit hours.
1c—4 credit hours.
Professor DILLEHUNT, Mr. FOSTER.

2. HISTOLOGY

Includes a comprehensive microscopical study of the tissues and organs of the human body, incorporating in many instances a study of their nerve and vascular supply. Considerable attention is devoted to diagnosing slides of unknown tissues and organs. One lecture, one recitation and eight hours' laboratory work per week, first semester; four credit hours. Professor ALLEN.

3. Embryology

This course presupposes a knowledge of maturation, fertilization, segmentation, origin of the germ layers and early development of the general system in one of the vertebrates. The lectures will deal with the complete development of the human embryo. The laboratory work will begin with a study of the human placenta, and will include a detailed study of the organs derived from the alimentary canal, the formation of the heart, blood vessels, central and peripheral nervous system, muscles and skeleton, as is shown from serial sections of 6, 12 and 25 mm. pig embryos, dissections of 12 mm. embryos and from cleared preparations of human embryos. One lecture, one recitation and four hours' laboratory work per week, second semester; three credit hours. Professor Allen.

4. Neurology and Organs of Special Sense

An attempt is made in this course to secure a working knowledge of the nervous system in connection with a study of its microscopic and gross structure, applying the general methods first outlined by Professor J. B. Johnston. Dissection of the human brain is accompanied by a study of a Weigert series of the spinal cord and brain stem, and by Marchi, Nissel and silver preparations of certain regions. Beginning with the general cutaneous system the various systems are taken up separately, including in each a study of the peripheral end organs, relays, and reflex arcs, and closing the course with a study of the correlating centers. One lecture, occasional recitations and five hours' laboratory per week, second semester; three credit hours. Professor Allen.

5. Topographical Anatomy

A course consisting of serial sections of the human body. Students are required to make careful tracings of these sections. Six hours, second semester; two credit hours. Elective. Mr. Foster.

*6. Applied Anatomy

A course of lectures and demonstrations in surface anatomy, position of viscera, surgically important anatomy, etc. Lectures and quiz two hours a week, second semester; two credit hours. Professor Dillehunt.

7. Research

Research in any branch of anatomy open to qualified students upon approval of any of the instructors. Hours and credits to be arranged.

II. PHYSIOLOGY

George E. Burget, S. B., Ph. D., Professor of Physiology

Wrenn E. Gaines, Technician. John H. Fitzgibbon, Assistant

The physiology laboratory is well equipped with all modern apparatus. All courses are arranged to put as much experimental work as possible in the hands of the student. Laboratories are well fitted for mammalian work.

1. Physiology of blood, circulation, respiration, secretion, excretion, absorption. Lectures three hours a week, laboratory six hours a week, second semester, first year. Five credit hours.

2. Physiology of digestion, metabolism, muscles, animal heat, nervous system, special senses. Lectures three hours a week, laboratory six hours a week, first semester, second year. Five credit hours.

3. Mammalian Physiology. A laboratory course open to a limited number of students. Elective. One semi-semester. Hours and credit to be arranged.

4. Physiology of the glands of internal secretion. Elective. One semi-semester. Hours and credit to be arranged.

5. Research in Physiology. Elective. Hours and credit to be arranged.

III. PATHOLOGY AND BACTERIOLOGY

Professor Benson Associate Professor Norton

Associate Professor Menne

Assistant, Herbert H. Foskett

The Department of Pathology has the necessary facilities for the study of gross and microscopic pathology. The pathological labora-

laboratories of St. Vincent's and Good Samaritan Hospitals are under the direct supervision of this department, and the surgical clinics afford a large amount of fresh pathological material for demonstration. The museum is being constantly augmented from these sources and also from the autopsies which are performed as often as the occasion presents itself. Each student is required to attend a number of autopsies during the year and to write a detailed report of the findings.

A complete set of sections for microscopic study is loaned each student, which he is required to study fully, describe and draw in colors. The student is also taught the technique of preparing sections of tissue, by the celloidin, paraffin and frozen section methods. The school is fortunate in having an ample equipment for such work.

Besides the instruction at the Medical School, consisting of lectures, demonstrations and laboratory study, demonstrations are given at St. Vincent's Hospital by a member of this department in conjunction with the surgical clinics.

The bacteriology laboratory is thoroughly equipped for the study of micro-organisms, of the principles of immunity, and of modern methods of hygiene and sanitation. It is provided with incubators, autoclaves, dry sterlizers, and all necessary apparatus, and a supply of the more important pathogenic organisms is kept on hand and continually augmented from fresh material. Provision is made for animal inoculations, and the student is given the opportunity to isolate, culture and study the various organisms.

1. Bacteriology

This is a practical laboratory course in which the students become familiar with the preparation of culture media, the principles of sterilization and disinfection, the methods of cultivating, staining and studying bacteria, the biological examination of air, water and soil, and the important species of pathogenic micro-organisms. The hygienic as well as the pathological relations of bacteriology are considered. Lectures five hours, laboratory ten hours weekly until Christmas holidays, second year. Professor Norton. *Six credit hours.*

2 and 3. Pathology Histology, General Pathology, *and* Study of Tumors

A laboratory course in general pathology, comprising the study of prepared slides supplemented by experiments; the study of fresh and museum specimens, lectures and recitations. Lectures five hours, laboratory ten hours weekly from Christmas holidays to end of second semester, second year.

Course 2—January 2 to February 5. *Two credit hours.*
Course 3—Second semester. *Eight credit hours.*

4. Special Pathological Anatomy and Histology

This course treats the pathological processes from the standpoint of systems of organs, and includes a consideration of the morbid anatomy, pathological histology, and clinical features of each group. Lectures two hours, laboratory four hours weekly, first semester, third year. Associate Professor Menne. *Three credit hours.*

5. Surgical Pathology

This course, consisting of demonstrations of gross specimens, is given in the pathological laboratory of St. Vincent's Hospital. Associate Professor Menne.

6. Serum Diagnosis

For seniors. Elective. Hours to be arranged. Professor Benson.

7. Research in Pathology and Bacteriology

Open to specially qualified students. Hours to be arranged. Elective.

8. Autopsy Course

Demonstration of fresh material from recent autopsies. Where possible the clinician in attendance on the case will be asked to present the clinical features of the case. One period weekly during the year.

9. Practical Hygiene

A laboratory course in the chemical and bacteriological analysis of milk, water, sewage and air, with instruction in the use of special apparatus will be offered to students who have completed their work in bacteriology. January 1 to April 1 for fourth year students. Elective. Professor Norton.

IV. BIOCHEMISTRY

Professor HASKINS — ALOIS TEDISCH, Technician

The aim of the course is to give as complete a survey of biochemistry as possible.

The laboratory work includes extended study of proteins, lipins, carbohydrates, enzymes, digestive juices, bile, blood, milk and urine. Many pathological urines are examined. Each student performs a metabolism experiment. Especial emphasis is laid on quantitative chemical methods, including a complete analysis of water, air, milk and urine. Lectures 3 hours, laboratory 9 hours a week, both semesters. Course 1a first semester, six credit hours. Course 1b, second semester, six credit hours.

V. PHARMACOLOGY, TOXICOLOGY AND PRACTICAL THERAPEUTICS

Professor MYERS — Dr. FENTON

ALOIS TEDISCH, Technician

Instruction in this department aims to give a practical working knowledge of the character of drugs and their application in the treatment of disease. Lectures, recitations, laboratory work, conferences and frequent written examinations constitute the course of instruction. The student laboratory is fully equipped with apparatus, drugs and a museum of materia medica. Current journals and books are on file in the laboratory for student reference. A supply of animals is maintained for the study of drug action upon living tissue.

1. MATERIA MEDICA

Instruction is given by means of lectures and recitations concerning the origin, character and preparation of drugs; metrology; prescription writing and incompatabilities. Laboratory work in the actual preparation by each student of all physical forms of drugs according to the United States Pharmacopoeia; the isolation and study of active principles; the appearance, physical and chemical characters and dosage of the more important drugs and chemicals. Lectures four hours, laboratory three hours a week; second semester. *Five credit hours.*

2. Pharmacology

Lectures, conferences and laboratory work upon the actions of drugs. The class is divided into small groups, each of which performs experiments, illustrating the influence exerted by various drugs upon the muscular, nervous, circulatory, respiratory, digestive and excretory organs. The indications for the use of each drug, based on its action and the form, dosage and method of prescribing are considered. Lecture four hours, laboratory three hours, second semester.

Five credit hours.

3. Pharmacology

A continuation of Course 2, completing the subject. Lecture two hours for ten weeks, first semester. *One and one-half credit hours.*

4. Toxicology

The symptoms and treatment of poisoning; the isolation and detection of the more common poisons. Intended only to give an intelligent understanding of the processes involved. Lecture two hours, laboratory two hours, six weeks first semester.

One and one-half credit hours.

5. Therapeutics

A lecture and recitation course in the practical application of medicinal drugs to pathological conditions, including a review of prescription writing. Dr. Fenton. *One credit hour.*

Sections of the class are given practical work at the Free Dispensary in the study of drug action in disease and prescription writing. Dr. Myers.

6. Research

Research in Pharmacology. Elective. Hours and credit to be arranged.

VI. MEDICINE

Professor Bell Professor Yenney Professor Haskins
Associate Professor House
Assistant Professor Gilbert Assistant Professor White
Assistant Professor Ralph Matson Assistant Professor Ray Matson
Assistant Professor Knox Assistant Professor Selling
Assistant Professor Coffen Assistant Professor Brill
Dr. Ralph Walker, Associate Dr. G. F. Koehler, Associate
Dr. F. M. Taylor, Associate Dr. Marr Bisaillon, Instructor
Dr. Arthur Rosenfeld, Instructor L Dr. J. M. Short, Instructor
Dr. Leo Richen, Instructor Dr. John G. Abele, Instructor

Internal Medicine

Medicine is taught at first didactically by recitation from assignments, by practical work in physical diagnosis, and clinical laboratory work. Later the student is brougnt more closely in touch with the patient by clinics in hospitals and work in the dispensary.

1. Medicine Recitation

A course of quizzes in the principles of medicine from definite text assignments. Three hours a week, both semesters, third year. Dr. Brill. Course 1a, first semester, three credit hours. Course 1b, second semester, three credit hours.

2. Physical Diagnosis

A lecture and practical course in methods of physical examination with demonstrations and practice in percussion, auscultation, etc. Two hours a week, first semester, third year. Dr. Bisaillon.

Two credit hours.

3. Physical Diagnosis

A continuation of Course 2, with work in pathological conditions. Two hours a week, first semester, third year. Dr. Bisaillon.

Two credit hours.

4. Tuberculosis Clinic

A course in the diagnosis and treatment of tuberculosis.

The clinic provides abundant material for the study of tuberculosis and its modern methods of treatment, including tuberculosis therapy. Dr. Ralph Matson, Dr. Ray Matson.

5. Laboratory Diagnosis

A practical course in the laboratory in which the student is taught the chemical, microscopic and bacteriological examination of blood, urine, sputum, gastric contents, feces, secretions and exudates. The course includes many of the recent methods of uric acid, non-proteim, nitrogen, chloride, ammonia, total nitrogen, uric acid, phenolsulphonephthalein elimination, and hyarogen ion concentration of urine. The technique of the Wasserman and Lange tests is demonstrated. Two lectures and four laboratory hours per week, first semester, third year. Professor Haskins, Dr. Brill. *Four credit hours.*

6. Medicine Clinic

A clinic devoted chiefly to instruction in the essentials of theoretical and practical medicine. One hour a week, entire fourth year. 1-2 Wednesday, St. Vincents Hospital. Professor Bell.

Two credit hours.

7. Medicine Clinic

A clinic of internal medicine confined to the Senior year. Two hours a week entire fourth year. St. Vincent's Hospital. Assistant Professor Gilbert. *Two credit hours.*

8. Medicine Clinic

A clinic paying especial attention to pathology and diagnosis. Four hours a week, entire fourth year. Multnomah Hospital. Professor Yenney. *Four credit hours.*

9. Medicine Lecture

A clinic or lecture in medicine with special stress on diseases of the stomach and intestines. One hour a week, first semester, fourth year. Elective. Dr. Koehler. *One credit hour.*

10. Lecture and Conference in Medicine

A lecture course with frequent quizzes on the more important and more prevalent diseases. Three hours a week, second semester, fourth year. Professor Bell. *Three credit hours.*

11. Hygiene and Sanitation

A course treating of practical hygiene with instruction in municipal sanitation, food control and garbage destruction, and the relation of these to public health. Two hours a week, second semester, third year. Assistant Professor White. *Two credit hours.*

12. Dietetics

A course involving the values of food and the methods of variance of foods in certain diseases. One hour a week, first semester, third year. Dr. Taylor. *One credit hour.*

13. Radiology and Actinotheraphy

A course in electricity as applied to medicine and surgery, including the use of the X-ray in diagnosis and therapy. One hour a week, first semester, fourth year. Dr. Walker. *One credit hour*

14. Clinic

Clinic for third year students at St. Vincent's Hospital. Two hours a week, both semesters. Dr. Coffin. *Two credit hours.*

15. Clinic

Clinic for third year students at St. Vincent's Hospital. One hour a week, both semesters. Dr. Brill. *One credit hour.*

16. Clinic

Clinic for fourth year students at St. Vincent's Hospital. One hour a week, both semesters. Dr. Brill. *One credit hour.*

17. Clinic

Clinic for fourth year students at St. Vincent's Hospital. Two hours, twice a week, second semester. Dr. Sears. *Two credit hours.*

18. Dispensary

A course in the dispensary in which small groups are assigned to the medical side, and are given practice in writing histories, physical diagnosis, laboratory work, clinical observation and treatment. Eight hours a week, both semesters, third year. Dr. Booth, Dr. Koehler, Dr. Myers, Dr. Rosenfeld.

19. Clinical Clerkship Service

A medicine service has been established in connection with the St. Vincent's Hospital for the fourth year students. In this service the attempt is made to bring the student into the closest possible relation to the patient. Each patient entering this department of the hospital is assigned to the care of two students. These act as clinical clerks, taking the history, making the physical examination and doing all the clinical laboratory work required. It is the object of this service that each case shall be worked up as thoroughly as possible, in order to teach the student the necessity of careful and complete routine examinations. A well equipped clinical laboratory is at the service of the students. Assistant Professor Selling, Assistant Professor Knox, Assistant Professor Coffen, Dr. Brill.

Two credit hours

VII. NERVOUS AND MENTAL DISEASES AND MEDICAL JURISPRUDENCE

Professor Josephi — Associate Professor House

Dr. J. W. Luckey, Instructor

The work of this department is confined to the third and fourth years, and is conducted didactically and clinically as well as by the work in the dispensary.

1. Nervous Diseases

A course embracing the neuroses, certain organic diseases of the symptomatology, diagnosis and treatment of organic diseases of the spinal cord and nerves. Two hours a week, second semester, third year. Professor Josephi. *Two credit hours.*

2. Diseases of the Mind and Nervous System

A course embracing the neurases, certain organic diseases of the brain, aphasias, brain localization and instanity. Two hours a week, first semester, fourth year. Professor Josephi. *Two credit hours.*

3. Clinic

A clinic in nervous and mental diseases. One hour a week, entire fourth year. Multnomah Hospital. Associate Professor House.
One-half credit hour.

3a. Clinic

A clinic in nervous diseases at the Portland Free Dispensary. Two hours a week, first semester, fourth year. Professor Josephi.

3b. Clinic

A clinic at Morningside Hospital for Insane (by courtesy of Dr. Henry Waldo Coe). In this will be demonstrated differentiation of the various types of insanity. Two hours a week during March, fourth year. Dr. Luckey. *One-fourth credit hour.*

4. Medical Jurisprudence and Medical Ethics

A course of lectures and recitations in forensic medicine and medical ethics and economics. One hour a week, second semester, fourth year. Associate Professor House. *One credit hour.*

VIII. PEDIATRICS

Assistant Professor Bilderback

Dr. Rosenfeld Dr. Noyes
Dr. Hall Dr. Chipman

Instruction in this department is conducted by means of lectures, conferences and clinical work at the dispensary, and by bedside clinics at the baby-homes.

1. Anatomy, Physiology and Hygiene of Infancy and Childhood

Lectures and quizzes are conducted in the anatomy, physiology, and hygiene of infancy and childhood, and principles of infant feeding, and in the disorders of nutrition in infancy. Two hours a week, second semester, third year. Dr. Noyes. *Two credit hours.*

2. Diseases of Infancy and Childhood

A conference and lecture course in diseases of infancy and childhood. Three hours a week, both semesters, fourth year. Professor Bilderback. *Three credit hours.*

3. Dispensary Work

In this course small groups are assigned to the Pediatrics side and are given practice in taking histories, physical diagnosis, laboratory work, clinical observation and treatment. Four hours a week, both semesters, third year. Professor Bilderback, Dr. Rosenfeld, Dr. Hall, Dr. Chipman.

IX. DERMATOLOGY AND SYPHILOLOGY

Assistant Professor King Dr. Parker

Lectures, recitations, demonstrations and clinical work will be conducted in dermatology and syphilis in the clinical years.

1. Introductory Dermatology

A lecture and recitation course in the fundamentals of dermatology and in the more prevalent diseases of the skin. Illustrative cases will be exhibited from time to time. Two hours a week, second semester, third year. Assistant Professor King.

Two credit hours.

2. Dermatology and Syphilis

A continuation of Course 1. Two hours a week, first semester, fourth year. Assistant Professor King. *Two credit hours.*

3. Dispensary

A course at the Portland Free Dispensary in which small groups are assigned to the dermatological side and are given practice in writing histories, diagnosis and treatment. Four hours a week, both semesters, third year. Dr. Parker.

X. SURGERY

Professor Mackenzie Professor Wilson
Associate Professor Zan Assistant Professor Baird
Dr. Ziegler Dr. Pease Dr. P. Rockey Dr. C. T. Ross
Dr. Hynson Assistant Professor Else Dr. Wade
Dr. Shea Dr. Browning Dr. A. C. Smith
Dr. Holden Dr. Norden Dr. E. Rockey Dr. McClure
Dr. Hamilton Dr. Jessup

Surgery is approached didactically in lectures, and in recitations in the principles of surgery, from text assignments throughout the Junior year. Clinical work is conducted in the nearby hospitals in the third and fourth years. Minor surgery is taught clinically and at the dispensary, and operative surgery is presented in the fourth year, during which each student is required to do actual surgical work on the cadaver. Each senior student is assigned in rotation to take part as assistant in surgical operations and as anaesthetist under proper supervision, in the clinic.

1. Surgery Recitation

A course in quizzes in the principles of surgery and surgical pathology from definite assignments in a textbook of surgery. Two hours a week, both semesters, third year. Associate Professor Zan, Dr. Paul Rockey. 1a, *first semester, two credit hours.* 1b, *second semester, two credit hours.*

2. Surgical Clinic

Minor surgery is taught clinically by demonstration of technique in elementary surgery, bandaging, care of the injured, etc. One hour a week, second semester, second year. St. Vincent's Hospital. Dr. Ziegler. *One-half credit hour.*

3. Surgical Clinic

A clinic in general surgery. One hour a week, first semester, third year. Dr. Hamilton. *One-half credit hour.*

4. Surgical Clinic

The attempt is made in this course to teach surgery in the most practical manner and during the past eight years a method of instruction has been followed which has been commended in many quarters for its thoroughness.

The classes are limited at the present time to twenty-five students. Four students, who have been previously strictly trained in methods of asepsis, enter the amphitheater with the operating surgeon; two of them are assigned to assist the operator and actually take part in the operation and learn practical lessons in hemostasis, ligation of

vessels and general technique; the other two students are stationed at the head under an expert anesthetist who studies anesthesia with them and instructs them in all methods of administration. While one student is engaged in giving the anesthetic under instruction, the other is being taught how to make observations with the syphgmomanometer studying the reaction of the patient to the various operative proceedures.

That part of the period which is usually consumed in preparation for operation and the administration of the anesthetic; namely, twenty to twenty-five minutes, is devoted to the study of pathology from specimens collected at previous operations under a special detail from the department of pathology.

Six hours a week, entire fourth year. St. Vincent's Hospital. Professor MACKENZIE. *Six credit hours.*

5. SURGICAL CLINIC

A clinic in general surgery, dealing chiefly with fractures and other lesions of bones. Two hours a week, first semester, fourth year. Professor WILSON. *Two credit hours.*

6. SURGICAL CLINIC

A clinic is general surgery with especial attention to surgical pathology. One hour a week, entire fourth year. Multnomah Hospital. Assistant Professor BAIRD. *One-half credit hour.*

6a. SURGICAL PATHOLOGY AND DIAGNOSIS

A course dealing with the gross pathology of surgical diseases in relation to diagnosis. Two hours a week, second semester, fourth year. Multnomah Hospital. Assistant Professor ELSE.

Two credit hours.

7. COMMON SURGICAL DISEASES

A lecture and conference course involving a discussion of the pathology, diagnosis and treatment of the more common surgical diseases. Two hours a week, second semester, fourth year. Assistant Professor BAIRD. *Two credit hours.*

8. Orthopedic Surgery

A lecture and clinical course in orthopedic surgery. Two hours a week, second semester, third year. Dr. McClure.

Two credit hours.

9. Operative Surgery

A course in surgery on the cadaver presented by lecture, demonstration and individual work by each student on the cadaver. Three hours a week, second semester, fourth year. Dr. Pease.

Three credit hours.

10. Surgical Dispensary

A practical course in surgery, giving the student opportunity to do individual work in minor surgery at the dispensary. Eight hours a week, both semesters. Assistant Professor Whiteside, Dr. Shea, Dr. Ross, Dr. Hynson, Dr. Rockey, Dr. Wade.

11. Clinical Clerkship Service

In this service the attempt is made to bring the student into the closest possible relation to the patient. The students act as clinical clerks, taking the history, making the physical examination, and all the necessary examinations. The class will be divided into groups for the study of cases before, during and after the operation. Dr. Taylor, Dr. Jessop.

12. Surgical Diagnosis

In this course the instructor attempts to give the student the symptoms and physical signs of the more interesting surgical lesions and the manner of arriving at a diagnosis. One hour a week, first semester, third year. Dr. Holden.

13. Surgical Diagnosis

Continuation of Courses 12. Dr. Norden.

14. Anaesthesia

A course in the physiologic effects and the technique of administration of anesthetics. One hour a week, first semester, fourth year. Dr. Browning. *One credit hour.*

XI. OBSTETRICS

Professor Labbe

Dr. Noyes — Assistant Professor McCusker

Dr. Scott — Dr. Booth

Obstetrics is taught in the third and fourth years in lecture, recitation, and practical courses. Normal and pathological cases are demonstrated in hospital clinics and the out-patient service. Practical work in done by each student on the manikin and in the conduct of labor, under proper supervision in out-patient work. The student must be in attendance on at least six cases before graduation.

1. Introductory Obstetrics

A lecture and recitation course in the anatomy and physiology of pregnancy, the diagnosis and management of normal pregnancy, and the clinical phenomena of normal labor. Three hours a week, first semester, third year. Professor Labbe or Assistant Professor McCusker. *Three credit hours.*

2. Advanced Orstetrics

A lecture, conference and practical course in the conduct of labor and the diagnosis and treatment of pathologic conditions of pregnancy, labor and the puerperium. Three hours a week, second semester, third year. Professor Labbe or Assistant Professor McCusker. *Three credit hours.*

3. Practical Obstetrics

A conference, and practical course in the conduct of labor and management of abnormal presentations and other complications of labor. Each student is required to do practice work with the manikin. One hour a week, first semester, fourth year. Dr. Noyes.

One credit hour.

4. Obstetrics

(a) Obstetrical measurements, diagnosis of foetal positions and clinical observations during pregnancy. Students will be taken in sections and hours arranged for seniors. Professor Labbe.

(b) Cases of confinement will be demonstrated and senior students will be allowed to assist in the conduct of labor in the maternity departments of the various hospitals and in the out-patient service. Hours to be arranged. Entire fourth year. Professor LABBE, Assistant Professor MCCUSKER, Dr. SCOTT, Dr. NOYES, Dr. BOOTH.

5. ANTE- AND POST-PARTUM CARE

Small sections of the senior class are given individual instruction on methods of examination, measurement and general care of obstetrical patients before and after delivery. Dr. BOOTH.

XII. GYNECOLOGY

Professor TUCKER — Assistant Professor WIGHT
Dr. ZIEGELMAN — Dr. NORTON
Dr. MARY MACLACHLAN

Gynecology is taught by lectures, recitations, clinics and dispensary work in the third and fourth years.

1. GYNECOLOGY

Lectures and recitations in the anatomy, physiology and pathology of the female pelvic viscera, methods of gynecological examination, and the diagnosis and treatment of pelvic diseases. Two hours a week, second semester, third year. Professor TUCKER, Assistant Professor WIGHT. *Two credit hours.*

2. CLINICAL GYNECOLOGY

Lectures and clinics in the clinical diagnosis and medical and surgical treatment of diseases of women. Two hours a week, first semester, fourth year. Professor TUCKER. *Two credit hours.*

3. PRACTICAL GYNECOLOGY

Dispensary work will be assigned to senior students. Hours to be arranged. Professor TUCKER, Dr. ZIEGELMAN, Dr. NORTON, Dr. MACLACHLAN.

XIII. GENITO-URINARY DISEASES

Professor MACKAY Assistant Professor WHITESIDE
Dr. HOWARD

Diseases of the genito-urinary tracts will be considered didactically and clinically in the junior and senior years. Practical work will be given at the dispensary in cystoscopy, urethral, catheterization and modern methods of treatment.

1. LECTURES AND CONFERENCE

Lecture and conference in anatomy and physiology of the genito-urinary tract and study of the diseases affecting it. Two hours a week, second semester, third year. Professor MACKAY.

Two credit hours.

2. CONTINUATION OF COURSE

With presentation of clinical work and accurate methods of diagnosis and treatment, and clinics at Multnomah County Hospital. Two hours a week, first semester, fourth year. Professor MACKAY.

Two credit hours.

3. DISPENSARY WORK IN GENITO-URINARY DISEASES

Will be assigned as a part of the work in surgical dispensary. Assistant Professor WHITESIDE, Dr. HOWARD.

4. CLINIC

A clinic in the pathology, diagnosis and treatment of genito-urinary diseases, and the use of the cystoscope and other diagnostic appliances. One hour a week, second semester, third year, one hour a week, first semester, fourth year. Professor MACKAY and Assistant Professor WHITESIDE. *One-half credit hour.*

XIV. OPTHALMOLGY, OTOLOGY, RHINOLOGY, AND LARYNGOLOGY

Professor NUNN Professor DICKSON Dr. COGHLAN
Dr. RALPH FENTON Dr. KIEHLE
Dr. AINSLE Dr. WRIGHT Dr. DAVIS Dr. FRENCH

These branches will be taught separately in the elementary work by means of lectures, demonstrations and recitations, and minor surgery, in the clinics during the Junior year. A more advanced course will be given in the Senior year, including major surgery.

1. Eye

A lecture and quiz course in the anatomy and physiology of the eye and its more prevalent diseases. One hour a week, second semester, third year. Dr. Ainslie. *One credit hour.*

2. Ear, Nose and Throat

A course of lectures and quizzes in the anatomy and physiology of the ear, nose and throat and the pathology, diagnosis and treatment of their disorders. One hour a week, second semester, third year. Dr. Kiehle. *One credit hour.*

3. Disease of the Eye

An advanced course of lectures and clinics in the pathology, diagnosis and treatment of affections of the eye, ear, nose and throat. Two hours a week, first semester, fourth year. Professor Nunn and Dr. Wright. *Two credit hours.*

4. Diseases of the Ear, Nose and Throat

A more advanced course in the diseases of the ear, nose and throat. Two hours a week, second semester, fourth year. Dr. Coghlan. *Two credit hours.*

5. Clinic

A clinical course in diseases of the ear, nose and throat at Multnomah Hospital. One hour a week, entire fourth year. Dr. Ralph Fenton *One-half credit hour.*

6. Dispensary

A practical course in which the students have an opportunity to examine and make observations on cases. Four hours a week, both semesters, third year at the Free Dispensary. Dr. Davis, Dr. French.

7. Refraction

A course in simple refraction open to senior students and graduates in medicine. Hours to be arranged. Professor Dickson.

SCHOLARSHIPS

One free scholarship and two half-scholarships in the Medical School are open to students in the preliminary medical courses in the University. The full scholarship carries full tuition and the half-scholarship, one-half the tuition. The tenure of each scholarship is two years.

These scholarships are awarded on the basis of high standard of work in pre-medical subjects, and preferably to those students who have completed four years at the University, with the A. B. or B. S. degree; next, to those in the Seven-Year Combined Course who have completed the first year in the Medical School; and lastly to those of exceptional merits who have finished three years at the University and who are candidates for the B. A. degree.

Application for scholarships must be in the hands of the Committee on Scholarships at Eugene not later than April 10th, of each year. Awards will be made by May 1st.

SCHOLARSHIPS, 1917-18

Clarence W. Brunkow, B. A. Full Scholarship.
Wilmot C. Foster, B. A. Full Scholarship.
George Earl Fortmiller, B. A. Half Scholarship.
Frank H. Campbell, B. A. Half Scholarship.

Six positions as student assistants in the laboratory branches are open to all students. These positions carry a salary of one hundred and fifty dollars per session, and scholarship and special qualification are considered in their allotment. Application for these positions must be made in writing to the Assistant Dean, and such application is subject to the approval of the instructor under whom the applicant contemplates serving.

STUDENT ASSISTANTSHIPS, 1916-17

Anatomy—Lester T. Jones.
Biochemistry—Irene Hunt, Winifred H. Bueermann.

SCHOOL OF MUSIC

FACULTY OF THE SCHOOL OF MUSIC

P. L. Campbell, B. A., LL. D., President of the University of Oregon.

John J. Landsbury, Mus. D., Dean School of Music and Professor of Pianoforte and Composition.

Arthur Faguy-Cote, Professor of Singing.

Eleanor Lee, A. B., Assistant Professor of Singing.

John Stark Evans, A. B., Professor of Organ and Assistant Professor of Pianoforte and Composition.

Robert Louis Barron, Professor of Stringed Instruments and Director of the Orchestra.

Anna L. Beck, A. B., Professor of Public School Music.

Jane Scotford Thacher, Professor of Pianoforte.

*Daise Beckett Middleton, Assistant Professor of Singing.

Frank V. Badollett, Professor of Flute.

Albert Perfect, Professor of Wind Instruments.

†Howard T. Annett, Assistant Professor of Pianoforte.

Ina May Watkins, Instructor in Pianoforte.

George Hopkins, Instructor in Pianoforte.

Ruth Davis, Mus. Bac., Secretary of the School of Music and Instructor in Pianoforte.

Portland Division

Frances Striegel Burke, Chairman Portland Division and Professor of Pianoforte.

Abbie Whiteside, Professor of Pianoforte.

John Claire Monteith, Professor of Singing.

Pauline Miller Chapman, Professor of Singing.

Franck Eichenlaub, Professor of Violin.

Susie Fennel Pipes, Professor of Violin.

William Boone, Professor of Organ, Pianoforte and Composition.

Carl Denton, Professor of Organ, Pianoforte and Violin.

William H. Boyer, Professor of Public School Music.

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*Absent.

†Absent in the service of his country.

Aims

The Department of Music aims to provide a general cultural course for students who desire knowledge of music, and a more technical course of study for those who shall become teachers, composers or performers of music.

Courses of Instruction

The following courses are offered:

1. A major subject for the degree of Bachelor of Arts.
2. A course leading to the degree of Bachelor of Music.
3. A course leading to a certificate in public school music.

DESCRIPTION OF COURSES

Music as a Major Subject for the Degree of Bachelor of Arts

The courses listed for credit under the department, "The Science and History of Music" and six term hours of applied music are available for this purpose.

The Arts degree is recommended for all students desiring a broad foundation upon which future intensive specialization may safely rest. While the amount of credit received for applied music is small, it should be noted that entrance requirements of a musical nature are waived. Two private half-hour lessons per week with the accompanying practice are counted as one hour of credit. This arrangement permits two full years in the upper division to apply toward the A. B. degree.

Course Leading to the Degree of Bachelor of Music

As in the degree of Bachelor of Arts, 180 term hours and the prescribed physical training are required. The main difference between the two degrees is that more credit for applied music is allowed toward this degree, hence it is more suitable for those wishing to begin specialization at an earlier date.

	Piano hours	Voice hours
Major subject, piano, organ, stringed instruments, etc...	72	
Major subjects, voice		36
Minor subjects	9	9
Science and History of Music and allied subjects	30	30
Modern Language	27	
Modern Language (including one year of Italian)		48
English	9	9
Electives	33	48
Physical Training	6	6
Totals	186	186

Major and Minor Subjects

In case a student majors in voice or violin, his minor subjects must be piano or organ.

In case he majors in organ, his minor subject must be voice, with an additional minor in piano.

Minor subjects may be continued as elective and in special cases a reasonable number of these excess hours will be deducted from the major requirements.

The student is urged to choose his electives from the College of Literature, Science and the Arts.

A public recital from memory is required of all the candidates for the degree of Bachelor of Music.

Upon entrance to the four years of piano work offered in the University, the candidate for the degree of Bachelor of Music must be thoroughly familiar with the major and minor scales, triads and arpeggios. He should have studied selections from the following (or similar) works: Heller op. 45, 46, 47; Czerny op. 299; Berens op. 61; Hanon, Schmitt, Spanuth, Zwintcher, etc. He must be able to perform intelligently one of the easier sonatas of Mozart, Haydn or Dussek, and a two-voiced invention or one of the easier fugues of J. S. Bach. Upon entrance to the four years of voice work offered in the University, the candidate for the degree of Bachelor of Music should have a knowledge of notation, tonality, intervals and rhythm,

and should be able to sing studies from Abt, Concone op. 9, Panofka op. 85, or their equivalent.

Upon entrance of the four years of violin work, the candidate for the degree of Bachelor of Music should be able to produce a good tone, to play in the first position with accurate intonation, to give an acceptable rendering of simple melodies, and to read at sight.

Upon entrance to the four years of work in wind instruments, including the flute, the candidate for the degree of Bachelor of Music should be able to read music, understand the mechanism of his instrument, know the correct fingerings, embouchure, breathing, and be able to play moderately difficult exercises and scales.

COURSE LEADING TO A CERTIFICATE IN PUBLIC SCHOOL MUSIC

In this course it is assumed that Public School Music is not a different kind of music and that "methods"—patented or otherwise—can never take the place of a knowledge of the thing to be taught. The student acquires his knowledge of the Science, History and Practice of Music, Pedagogy and other necessary subjects in regular course of the University. There is but one special course for the prospective Public School Music teacher. This is labelled for identification, "Public School Methods" and is listed as Course 12. It aims to assemble those things which a public school music teacher ought to know and to fuse and point them to a special purpose. The following are the minimum requirements for a certificate:

Ability to read and play moderately difficult choruses or accompaniments.

Two years' instruction in singing.

The elements of Musical Science, three terms.

Analysis of Music, two terms.

Musical History, three terms.

Sight Singing, three terms.

Public School Methods.

History of Education.

Principles of Education.

Choir experience.

Practice Teaching and Directing. This is afforded by the University High School, the Eugene public schools and the sight singing class.

THE SCIENCE AND HISTORY OF MUSIC

1. **The Elements of Musical Science**—A general course in the history, construction and treatment of harmonic forms. Work is done by means of lectures and recitations, and throughout the course great stress is laid upon the development of the ear. The first term deals with such topics as terminology, major and minor scales, intervals, major and minor triads, inversions—especially the "six-four chord"—general theory of harmonic progression, etc. The second term will be devoted largely to the study of dissonant combinations —especially seventh and ninth chords—open position, etc. Modulation forms the basis of the third term work. A thorough study will be made of foreign tones, contrapuntal chords, the augmented chords, enharmonic equivalent, modern scales and harmonizations, etc. The course aims to show that music is an experience rather than a clever collection of symbols. Professor LANDSBURY.

Three hours, throughout the year.

2. **Contrapuntal Analysis**—A study of the structural basis of the strict style in general and the inventions and earlier fugues of J. S. Bach in particular. Primarily a study of motive development. Professor LANDSBURY. *Three hours, one term.*

3. **Formal Analysis**—A study of the Musical Architecture of the free style, the career of the motive as influenced by the phrase, period and form, the song forms, developed ternary forms, etc. The sonatas of Haydn, Mozart, Beethoven, Schumann and Brahms will be used as texts. This is a very practical course for those wishing to know the basis of interpretation. Professor LANDSBURY.

Three hours, one term.

4. **Harmonical Analysis**—A study of the methods of harmonic reduction and expansion based upon the works of the classical and romantic composers. This course is very closely related to the one in Formal Analysis, with which it could be taken. Professor LANDSBURY.

Three hours, one term.

5. **Thorough Bass**—A course in the harmonization of basses and melodies (usually called "harmony") based upon the treatises

of Emery, Richter, Jadassohn and others. This course will be accepted as a preparation for Counterpoint, but not as a substitute for Course 1. Professor LANDSBURY.

Two hours, throughout the year.

6. **Keyboard Harmony and Ear Training**—A course aiming to teach students how to think music in the terms of the piano. Prerequisite two terms of Course 1 or 5. Professor EVANS.

Two hours, one term.

7. **Counterpoint**—A practical course in constructive counterpoint. Considerable time will be spent on the so-called "Harmonic Counterpoint." By means of lectures and the examination of such texts as Fux, Cherubini, Bellerman, Richter and Goetschius, together with the works of Bach, Handel and Wagner, the significance of the rules of counterpoint will be explained. Professor LANDSBURY.

Two hours, one term.

8. **Double Counterpoint, Canon and Fugue**—A two-term course dealing with the principles of multiple counterpoint in general and the double, triple and quadruple counterpoints of J. S. Bach in particular; the simple types of finite and infinite canon in the practical intervals; simple, double and triple fugue, etc. While the work will be largely analytical in nature, students are encouraged to do as much actual composition as possible, and are required to produce specimens modeled after the patterns examined. Texts: Bridge, Prout, Higgs, Well Tempered Clavichord, art of Fugue, etc. Pre-requisites, Courses 1, 2 and 7. Professor LANDSBURY. *Two hours, two terms.*

9. **Free Composition**—A study of characteristic idioms of the free style; the variation, simple and developed song form; developed ternary form, the art song, etc. No definite course is outlined as the student is expected to devote his time to actual composition. Lectures will be given occasionally. According to demand the work will be extended. Not more than three will be permitted in the class. Prerequisite: Courses 1, 2, 3, 4, 6, 7, 8 and 10. *Two hours, each term.*

10. **History and Appreciation of Music**—A course of lectures, together with supplementary research work, dealing with the evolution of music; its relation to the other arts and sciences, and its place in a liberal education. A considerable part of the time will be devoted to the problem of intelligent listening. This course is recommended to those who wish to increase their capacity for understanding and enjoyment of musical literature and who are desirous of knowing upon what grounds and in what measure a musical work is to be judged. Throughout the course the victrola will be liberally used for illustration. Professor EVANS.

Two hours, entire year.

11. **Class in Musical Interpretation**—This class will be open only to piano students of collegiate rank. This class will meet by appointment and the object will be to make a study of the standard literature. The characteristics of the various periods and composers will be noted. The work will be done by lecture, illustration and performance by members of the class. This course should appeal strongly to those who wish a wider knowledge of piano music than would be possible in a regular private course, and is especially designed for those intending to teach. Professor LANDSBURY.

Two hours, one term.

RELATED SUBJECTS

12. **Public School Methods**—This course aims to show how musical knowledge is adapted to the needs of the public school. The following and other points will be taken up:

Ways of arousing and holding interest.

Calls and scale songs for the unification of voices.

Development of the sense of pitch and rhythm through rote singing.

Phrasing and interpretation.

The various systems of music books and manuals used as texts.

The use of "do, re, mi" as "something to teach."

Direct presentation.

Practice in directing chorus work.

Use of Victrola. Professor BECK.

Three hours, througnout the year.

13. **Sight Singing**—For the purpose of identification, the name "Sight Singing" has been retained, though it gives little clue to the character of the work done. A better name would be "The Practional Reading of Music." Professor BECK.

One hour, throughout the year.

PIANOFORTE

The object of this course is to acquaint the student with the best literature of the instrument and to provide for him a technique which will be adequate for its expression. It is impossible to outline a formal course specifically covering each year which will meet the needs of all students Instruction is given privately and is directed to the goal of well-rounded musicianship. Through the course, daily technical work is insisted upon. This takes the place of scale, chord, arpeggio and octave work, together with special problems, such as melody playing, double notes, etc. The following standard works are drawn upon, but others are selected when it is evident that they will better serve the immediate purpose:

Czerny, op. 299, 740, 335, 365.
Heller, op. 45, 46, 47, 16.
Loeschhorn, op. 67, 176.
Cramer, 50 selected studies.
Haberbier, op. 53, 59.
Jensen, op. 32.
Clementi Gradus.
Preyer, op. 35.
Kullak, op. 48.
Moscheles, op. 70, 73.
Moscheles Preludes.
Mozart Sonatas and Concertos.
Beethoven Sonatas and Concertos.
Chopin Etudes.
Schumann Etudes Symphoniques
Liszt Etudes Transcendentals.
Paganini-Liszt Etudes.
Alkan Etudes.

Bach Two and Three Part Inventions, Prelude, Fugues, etc. Well Tempered Clavichord.

Selections from the works of Mendelssohn, Schumann, Schubert, Chopin, Brahms, MacDowell, Liszt, Ravel, Debussy, etc.

Concertos by Grieg, Saint-Saens, Schumann, Liszt, Chopin, Tschaikowski, etc.

As evidence of completion of this course, the student must give a public recital from memory which will conform, in the essentials, to the program suggested below:

A Prelude and Fugue from the Well Tempered Clavichord.

A Sonata of Beethoven, Schumann or Brahms.

A Group of Romantic and Modern Compositions.

A Brilliant closing number.

Singing

In outlining a course of study in this department, only a general idea of the work can be given, because so much depends upon the individual ability of the student. To prescribe a fixed, inflexible schedule would be unwise, if not altogether impossible. The purpose of the course outlined below is to perfect the voice, and to establish musical understanding which will give the student independence and an ability to interpret music truthfully.

First Year—Practical tone work for the establishing of the ideal tone—known in general as "voice placing."

Second Year—Progressive tone work. Simple arias and English songs are given.

Third Year—Tone work for the further development of the voice. Advanced technique as given in various vocalisms. Arias from the Italian, French and German operas. The study of the Oratorio. A study of German song classics, and the modern French and English songs.

Fourth Year—Study for the perfection of vocal technique. During this year much time will be given to equipping the student with an adequate repertoire, and to giving him a general knowledge of the best songs of all periods, and a familiarity with the standard operas and oratorios. During the third and fourth years the student will be given frequent opportunities to sing in public, and at the close of the fourth year a recital will be demanded.

Organ

There are many legitimate ends toward which the study of the organ may be directed. No formal course can be outlined which will have the necessary flexibility. The needs of the individual student will be carefully considered. As in other courses of a similar nature, the literature of the instrument will be utilized whenever possible. Technical work will be condensed and every effort made to thoroughly familiarize the student with the resources of the instrument. Students must have reasonable facility upon the piano before beginning its study. A beautiful three manual Austin organ is available for practice.

Violin and Ensemble

Great stress is laid upon the ability to produce a full round tone with bowing and intonation. The method of instruction used is based upon the teachings of Sevcik and other recognized authorities. The following outline will give an idea of the scope of the course:

First Year—Kayser Etudes, Books I and II. Sevcik's "Bowing Exercises." Pieces by Bohm, Cin, Weidig, Papim, Saury.

Second Year—Mazas Special Studies, Sevcik's "Bowing Exercises," Sevcik's Exercises preparatory to double-stopping and changing of positions. Dout Etudes, Preparatory to Kreutzer, pieces by Gade, Aulin, Milnarski, Portnoff and Richter.

Third Year—Kreutzer Etudes, Sevcik's Opus 1, Books III and IV. Sonatas by Mozart and Handel. Suite by Ries, pieces by Wieniawski, Saint Saens and Hubay.

Fourth Year—Fiorillo Etudes, Rocle Caprices, Sevcik's Exercises in double-stopping. Concertos by DeBeriot, Viotti, Mendelssohn or Bruch.

Ensemble Classes

All instrumentalists realize the necessity of cultivating facility in sight singing and an ability to play acceptably with others. This need is met with the organization of ensemble classes (small groups of three or four violins, with or without pianos), rehearsing once a week. These classes will be given graded compositions selected from the best classic and modern musical literature, and offer exceptional advantages for drill in sight-reading, technics and interpretation.

Accompanying

The study of accompanying is open to piano students of some degree of advancement. The study of violin and piano compositions of a suitable degree of difficulty will be undertaken, with special attention to the playing of sonatas, classic and modern.

Wind Instruments

The aim of this department is a very practical one. In addition to the value of artistic proficiency upon any of the instruments, there is a growing demand for University trained men to organize and con-

duct bands in connection with high school teaching. The following outline is suggestive:

First Year—Scales in different forms practiced with various articulations. Exercises for acquiring variety of phrasing and expression. Technical and melodious etudes.

Second Year—Double and triple tongueing, choice exercises and studies. Phrasing and expression, standard and operatic melodies. Recreative solos and etudes.

Third Year—Grand artistic duets, technical studies, transposition. Special attention to tone quality, poise and expression. Cadenzas, standard and operatic overtures and solos.

Fourth Year—Technical studies by Arban, Baermann, Lazarus and Klose. Air varies and artistic solos with accompaniment. Concertos, duets, etc.

Arban's and Baerman's methods used.

Conducting Band

In most cases where a position as teacher is open, a man who knows how to organize, instruct and direct an amateur band is preferred.

Any player of wind instruments with three or four years' experience is offered a course in amateur band directing and drilling.

A complete knowledge as to the pitch of each instrument, and how to handle the baton correctly in all the various movements, will be taught in this course.

Phonograph records will be used and the student pursuing this work will be given the baton occasionally at the regular rehearsals by the University band.

This course in connection with the course in arranging for band will prove to be very beneficial. Terms furnished on application.

Flute

The flute is an instrument of great beauty and splendid possibilities. Aside from its value as a solo instrument, it offers the opportunity through the medium of the band or orchestra, of becom-

ing acquainted with the great musical literature of the world. The following course is offered:

First Year—Boehm's system of lip manipulation in pp and ff passages; crescendo and minuendo, ascending and descending; scales; arpeggios. Koehler's Studies, Opus 31, Book I; Arthur Brook's Method, Part II; Schumann's "Traumerei"; Bach's Air in D, etc.

Second Year—Trills, turns, grace notes, etc. Double tongueing; silent practice; interpretation; Romantic Etudes, Koehler, Op. 66; Boehm's Studies, Op. 15; Boehm's Studies, Op. 26; Kuhlan duets for two flutes; Allegretto, Godard, Op. 116; Andalouse, Pessard.

Third Year—Sight reading; Memorizing; Cadenzas; Triple tongueing; "Flatterzunge"; Harmonics; Auxiliary fingering; Affectation not expression; Boehm's Etudes with piano, Op. 37; Anderson's Studies, Op. 15; Souvenir des Alpes, No. 1, Boehm; Bird in the Forest, Dappler; Kuhlan's trios for three flutes.

Fourth Year—General ensemble playing; Obligatos with voice; orchestra playing; Prill's and Barge's Orchestra Studies; Tans position Schindler, Forty Studies, Book II; Carl Wehner, Twelve Exercises; School of Virtuosity, Anderson, Op. 60; Oberon Fantasie, Demersseman; Symphonic Poem, Peter Benait.

ORGANIZATIONS

Glee Clubs

Two of the most popular student organizations on the campus are the men's and women's glee clubs. The Men's Glee club is composed of twenty members and the Women's Glee Club of twenty-four members. In each glee club one substitute for each part is allowed to practice with the club and to take part in home concerts and all student affairs as a member of the glee club, but does not have the privilege of taking trips. The position of substitute is competitive, and any member of the club may be assigned at any time to substitute position.

During the school year each club takes a trip of nearly a week's duration, besides several shorter trips. The glee clubs are under the management of the graduate manager of student affairs.

University Band

The University band is open to all players of band instruments who can pass the preliminary examination. The band plays at various athletic contests, rallies and other student affairs and gives several concerts during the course of the year. A trip will also be undertaken. The band is under the leadership of Mr. Albert Perfect, instructor in wind instruments.

University Choir

The University choir is composed of the two glee clubs, and is formed for the purpose of providing adequate music for the University vesper services and for giving its members an opportunity to learn the best in sacred choral music.

University Orchestra

An unusual opportunity is offered to members of the University Orchestra in the acquiring of technical and interpretive knowledge and experience through the rendition of high grade orchestral composition of both classical and modern schools.

This very successful organization is an important factor in the development of discriminating musical taste in its members and in the public at large. The organization gives a concert each season, assists on various programs given at Eugene and during the past season gave two out-of-town concerts.

Members are admitted without fee upon passing a preliminary examination. One semester hour of credit per year is granted for regular attendance at orchestra rehearsals.

EXPENSES

RATES OF TUITION

The school year is divided into three terms of twelve weeks each. Private lesson periods are one-half hour. The following rates are for the full term.

PIANO

	One lesson per week	Two lessons per week
Dean Landsbury, Mrs. Thacher, Mr. Evans	$22.50	$40.00
Mr. Annett, Mr. Hopkins	$17.50	$30.00
Miss Watkins, Miss Davis	$12.50	$24.00

VOICE

Mr. Faguy-Cote	$22.50	$40.00
Mrs. Middleton, Miss Lee	$17.50	$30.00

ORGAN

Mr. Evans	$22.50	$40.00

VIOLIN

Mr. Barron	$22.50	$40.00

BAND INSTRUMENTS

Mr. Perfect	$12.50	$24.00

FLUTE

Mr. Badollet	$17.50	$30.00

SCIENCE AND HISTORY OF MUSIC AND PUBLIC METHODS

Class lessons (2 and 3 per week)	$ 9.00	
Private lessons	$22.50	$40.00

ENSEMBLE

Class lessons (3 or 4 in class) ..... $ 9.00

ACCOMPANYING

Private lessons ..... $ 9.00

SIGHT SINGING

Class lessons ..... No tuition fee.

RENT OF PIANO OR ORGAN

Piano, one hour per day, per term of twelve weeks $3.00
Piano, one-half hour per day, term of twelve weeks $1.75
Over two hours, per hour per term $2.50
Organ practice per hour $0.30

IMPORTANT INFORMATION

In the interest of good service and good results, the following rules (generally observed throughout the country) has been adopted:

Tuition is payable strictly in advance.

No refunds will be allowed in the case of tuition for class work.

No tuition will be refunded for private lessons missed excepting in case of protracted illness, when the School will share the loss equally with the student.

Lessons missed by teacher will always be made up.

As a matter of courtesy, teachers will be found ready to accommodate students whenever possible.

The School of Music follows the University calendar, the rates of tuition taking account of vacation periods.

SELF HELP

There are many ways in which a student may help himself while attending the University. It is much easier of course to arrange such things after entering but information along this line may be had by addressing the secretaries of the University Christian Associations.

THE PAUL ALLEN CLAWSON MEMORIAL SCHOLARSHIP

This scholarship is awarded to that student in the Upper Division who has been conspicuous for personal worth and achievement. Information may be had upon request.

For information in regard to living and incidental expenses and for special Music Bulletin, address the Registrar of the University.

EXTENSION DIVISION

The modern state university is coming to be regarded more and more as belonging to the people at large who support it, organized and administered to serve their higher educational interests. The University of Oregon recognizes that it is responsible for more than the instruction of the students who come to its immediate campus; that its wider duty is to provide for the people of the state opportunities to acquire educational benefits from its faculty and other repositories of organized information and instruction, and to communicate to them truth discovered through research and original investigation.

The Extension Division holds itself out as the distributing agency for educational material which the University has been able so far to organize for the use of the general public. It is further the University's active representative in the state, serving in every way those who cannot attend educational institutions, stimulating and guiding them in their efforts to acquire a better education. Through some one or more of the several activities of the Extension Division here described every person in the state may connect with the University.

Extension Organization

The Extension Division is organized at the present time in two departments upon the basis of its two major interests; the department of Extension Teaching, and the department of Social Welfare. The department of Extension Teaching concerns itself with instruction, through correspondence study, extension classes in Extension Centers, and the work of the Teachers' Reading Circle. The other activities of the Division, including the Visual Instruction Service, the Lecture Service, and the Bureau of Public Discussion are administered through the department of Social Welfare.

FACULTY DEPARTMENT OF EXTENSION TEACHING

PRINCE L. CAMPBELL, B. A., LL. D.
President of the University.

EARL KILPATRICK, B. A.
Director of the Extension Division.

On leave of absence to serve as director of the bureau of development, Northwestern Division, American Red Cross, Seattle.

JOHN C. ALMACK, B. A.
Acting Director, Extension Division.

MOZELLE HAIR, B. A.,
Secretary of Extension Teaching.

PERCY PAGET ADAMS, B. S.
Professor of Graphics.

ERNEST SUTHERLAND BATES, Ph. D.
Professor of Rhetoric and American Literature.

JOHN FREEMAN BOVARD, Ph. D.
Professor of Zoology.

WILLIAM PINGRY BOYNTON, Ph. D.
Professor of Physics.

ROBERT CARLTON CLARK, Ph. D.
Professor of History.

EDMUND S. CONKLIN, Ph. D.
Professor of Psychology.

PETER CAMPBELL CROCKATT, M. A.,
Professor of Economics.

BURCHARD WILSON DE BUSK, Ph. D.
Professor of Secondary Education.

JAMES HENRY GILBERT, Ph D.
Professor of Economics.

HERBERT CROMBIE HOWE, B. A.,
Professor of English Literature.

JOHN J. LANSBURY, Mus. Bach., Mus. Dr.
Dean of the School of Music.

ELLIS F. LAWRENCE, M. S.
Dean of the School of Architecture and Professor of Architecture.

D. WALTER MORTON, M. A., C. P. A.
Dean of the School of Commerce

MABLE HOLMES PARSONS, M. A.,
Professor of Rhetoric
MARY H. PERKINS, M. A.
Professor of English
ROBERT W. PRESCOTT, B. A.
Professor of Public Speaking
GEORGE REBEC, Ph. D.
Professor of Philosophy.
ARCHIBALD FERGUS REDDIE, B. A.
Professor of Public Speaking.
JOSEPH SCHAFER, Ph. D.
Professor of History
FRIEDRICH GEORGE G. SCHMIDT, Ph. D.
Professor of German Language and Literature.
HENRY DAVIDSON SHELDON, Ph. D.
Professor of Education and Dean of the School of Education
WARREN D. SMITH, Ph. D.
Professor of Geology.
FRED L. STETSON, M. A.
Professor of Education.
ALBERT RADDIN SWEETSER, M. A.
Professor of Botany.
W. F. G. THACHER, M. A.
Professor of Rhetoric
IDA V. TURNER, M. A.
Instructor in Rhetoric
MARY WATSON, M. A.
Instructor in English Literature.
FREDERICK G. YOUNG, B. A.
Dean of Graduate School and Professor of Economics and Sociology.

EXTENSION CLASSES

PERCY PAGET ADAMS, B. S.,
Graphic Statics—Portland
Structural Drafting—Portland
ERNEST SUTHERLAND BATES, Ph. D.,
Practical English—Portland
The French Spirit in Literature—Portland
The Russian Spirit in Literature—Portland

H. F. Boyce,
Foreign Trade and Ocean Traffic and Transportation—Portland

Edmund S. Conklin, Ph. D.,
Elementary Psychology—Portland
Principles of Genetic Psychology—Portland

Burchard Wilson DeBusk, Ph. D.,
Child Psychology—Springfield

G. Ebsen,
Beginning Spanish—Portland
Advanced Spanish—Portland
Beginning French—Portland
Advanced French—Portland

John J. Landsbury, Mus. Dr.
Composition—Portland

Ellis F. Lawrence, M. S.,
Architectural Design—Portland

D. Walter Morton, M. A., C. P. A.
Bookkeeping and Accounting—Portland

Mable Holmes Parsons, M. A.,
Literature of National Idealism—Portland
Problems of Style—Portland
Short Story—Portland

George Rebec, Ph. D.,
History of American Ideals—Portland
Conflict of Nationalities in Europe—Portland
Seminar in Ethics—Portland

Henry D. Sheldon, Ph. D.,
Childhood in Education in the Modern English Novel—Portland

Helen Miller Senn,
Fundamentals of Speaking and Dramatic Interpretation—Portland
Platform Reading and Dramatics—Portland
Extemporaneous Speaking—Portland

L. B. Smith,
Foreign Trade and Ocean Traffic and Transportation

W. D. Smith, Ph. D.,
Geology of Europe

F. M. Warrington,
Commercial Spanish
Commercial French

Esther W. Wuest,
Freehand Drawing
Design and Composition

DEPARTMENT OF EXTENSION TEACHING

MOZELLE HAIR, Secretary

This department has to do with instruction through correspondence-study, with extension class teaching, and with the teachers' reading circle work.

The University of Oregon provides correspondence courses for citizens of the state who want to study systematically, but who find it inconvenient or impossible to attend an educational institution. Through correspondence study, courses for graduate and undergraduate college credit and for entrance credit are given in botany; commerce (one course); debating; architectural drawing (three courses); economics and sociology (eight courses); education (thirteen courses); English (eight courses); geology (two courses); German (first two years); history (six courses); literature (nine courses); mathematics (twelve courses); philosophy; physics (five courses); physiology; psychology (three courses); Spanish; and zoology (bird study.)

In cooperation with the Oregon State Normal school a series of courses has been outlined which will enable teachers to complete approximately one-half year of Normal work through correspondence. Credit earned in these courses included in this series are: the American Republic, American political history, contemporary English novelists, elementary physiology, elementary psychology, teaching principles, and child study.

The following new courses have been recently prepared and are now ready for use: Recent Economic and Social Changes in England and America; Child Welfare Problems; Foundations of American Citizenship; the American Citizen; Teaching the Great War; and The History of China. Courses in preparation include: Community Problems; History of Modern Education; Commercial Spanish and French; Foreign Trade; Loans and Investments, and Salesmanship.

The Extension Division issues a special catalog of correspondence courses. Write for it if you are interested.

Extension classes are given in centers of population where a sufficient number of people interested in University work gather and request the services of an instructor. As this work must be done

largely by regular campus instructors during hours taken from their leisure, the number of such classes that can be given is limited. Successful classes have been held in Portland, Salem, Albany, Astoria, Marshfield, Pendleton, La Grande, Baker and Eugene.

Teachers' Reading Circle

Reading circle work for Oregon teachers is based upon books chosen by the State Superintendent of Public Instruction. Every teacher in the state not engaged in teaching within a first-class district is required to do this work. Outlines and questions prepared by the Department of Extension Teaching may be used as bases for papers to be submitted to this department for review. For each paper that is found satisfactory the department issues a certificate of reading done that is accepted by county superintendents throughout the state as evidence of compliance with the statutory requirements on the of the teacher submitting it. For the list of the books for the present year, information concerning the requirements, and the groups of questions prepared for the books, write to the Secretary of the Department of Extension Teaching.

THE DEPARTMENT OF SOCIAL WELFARE

This is the department through which the University exercises in the extension field its functions of dissemination of the fruits of research and original investigation, and of carrying the work of the University, other than that having to do directly with instruction in extension courses and extension classes in extension centers, directly to the people of the state. The chief activities of the department as they are at present developed have to do with general extension lecture work, visual instruction through educational lantern slides and motion picture films, promotion of public discussion of important social, industrial and educational problems, the development of high school debating interests, community welfare, child welfare, cooperation with the alumni in enlarging the usefulness of the University, and at the present time, and for the period of the war at least, cooperation with the American Red Cross in Oregon for developmental activity and propaganda.

ORGANIZATION OF THE DEPARTMENT

Secretary
(Vacant)

Chief of Bureau of Community Music
JOHN J. LANDSBURY, Mus. Bach., Mus. Dr.

Chief of Bureau of Public Discussion
R. W. PRESCOTT, B. A.

The extension lecture work for the coming year will be organized to meet the probable demands and needs of groups of people who by reason of their associated interests and special organization provide the University with opportunity for definite and constructive work. Following will appear a list of available speakers, with a suggestive list of titles. Within the period of the summer months special announcements of subjects and lectures will be prepared for distribution giving notice to typical groups of interested persons what lecture service will be at their disposal. The service will commend itself to the following standard associations and organizations: teachers' institutes, county and local; parent teacher associations; high school assemblies; literary, dramatic, scientific and musical clubs, and other cultural societies; commercial clubs and business men's associations; labor organizations, and other associations of employees; churches and kindred societies. Lecture lists and other information for prospective users of the lecture service may be had from the Secretary of Social Welfare.

ERIC W. ALLEN, School of Journalism
The Newspaper and the Community

JOHN C. ALMACK, Extension Division
The Submerged Self
The Making of a Community
The Function of the School
The Reorganization of Rural Schools
The Superior Child
Rural School Problems
Creative Education
Improvement of Teachers While in Service

E. S. BATES, Department of English Literature
Topics in Literature of Interest to Literary Clubs and Drama Leagues

JOHN F. BOVARD, Department of Zoology
Lectures upon Subjects of Biological Interest

EDMUND S. CONKLIN, Department of Psychology
Some Physical Conditions of Mental Efficiency
Worry
Maintaining Mental Poise
Our Mental Inheritance
Some Characteristics of Youth
Technique of Vocational Guidance

PETER C. CROCKATT, Department of Economics
Social and Industrial Reconstruction
Subjects of General Interest in Economics

B. W. DEBUSK, School of Education
Our Physical Unpreparedness
Mental Conflicts and Undesirable Conduct
Mental Hygiene for the Normal Child
The Misfit Child
Factors That Effect Efficient Learning
The Hygiene of the School Environment

E. E. DECOU, Department of Mathematics
Ultimate World Peace and the World War
Twentieth Century Canada
The Teaching of High School Mathematics
Choosing a Life Work

C. H. EDMONDSON, Department of Zoology
Japan
China and Her Problems
Insects and Disease
Prehistoric Life in America
Tahiti of the South Seas
The Salmon Fisheries of the Northwest

A. N. FRENCH, School of Education
The Dualism of Discipline
Teaching the Great War
The Social Sciences

J. H. GILBERT, Department of Economics
Democracy and Education
Chief Obstacles to World Peace
League to Enforce Peace
Taxing the Unearned Increment
Financing a Great War
Syndicalism and the I. W. W.

C. A. GREGORY, School of Education
Educational Measurements
Democracy and Education
Types of Greatness
And many other subjects on educational topics

E. W. Hope, School of Law
Subjects of Interest to Bar Associations and Commercial Organizations
John J. Landsbury, School of Music
A Peep Into the Workshop of Music
Community Sings
Mathematics of Music
The "How" of Composition
Music and Poetry
A Study in Temperament
And others
Colonel John Leader, Department of Military Science
Physical and Military Education
The Battle of the Somme
And other subjects of historical and military character
D. W. Morton, School of Commerce
The Value of an Education
Educational Problems in the Reconstruction Period
Mable Holmes Parsons, Department of Rhetoric
Social Inhibitions With Relation to Literary Types
The Need of Little Plays
Creative Ability in Secondary Schools
The Spirit of France in Literature
Mary Hallowell Perkins, Department of Rhetoric.
Topics in Literature
H. D. Sheldon, School of Education
Mob Mind and Its Cure
Psychology and Pedagogy of Leadership
Some Superstitions Concerning Schoolmasters
What History Is Worth While in Education
Education to Meet German Competition
American Scholarship in the Present Crisis
Warren D. Smith, Department of Geology
The Philippine Islands
China and Japan
Egypt
Geological Subjects
John Straub, Department of Greek Language and Literature
Educational Values
Service
W. F. G. Thacher, Department of Rhetoric
The Story Teller—His Place in Literature
The Art of O. Henry
The Short Story as an Expression of Americanism
The Genius of Joseph Conrad
Interpretative Readings from Contemporary Poets—Masters, Masefield, Gibson, Amy Lowell, Oppenheim, Lindsay, and others

RAYMOND H. WHEELER, Department of Psychology
Illusions—How Our Senses Deceive Us
Psychology in Business
Measurements of Adult Intelligence
Psychology of the Blind

FREDERICK GEORGE YOUNG, Department of Economics and Sociology
Rural Planning and Development
Full Significance of Adequate Transportation Facilities in Oregon and How They May be Attained
The Teacher as the Community Engineer

VISUAL INSTRUCTION

One of the most important and rapidly growing services of the Extension Division is that offered through the Bureau of Visual Instruction to the schools and communities of the state. The visual instruction material consists of stereopticon slides, films, industrial exhibits, rock and mineral sets, and microscopic slides. Many schools and communities of the state possessing lanterns are organized into circuits, weekly slide service being thereby furnished in each district. The slide sets are educational, interesting, and very much worth while. Each set is accompanied by a syllabus, or lecture, prepared under the direction of the Secretary of Social Welfare. One hundred twenty different slide sets have been in use within the past year. These will be very considerably increased in number and variety this summer in preparation for the expected large demand of next year. A number of new and interesting war pictures, featuring Americans in France, are being purchased from the government. Information, including lists of titles, plans for forming circuits, and the like, may be had from the Secretary of Social Welfare. Those contemplating the purchase of a stereopticon or other projection device may procure information here also.

The film service is also increasing. Forty different subjects have been provided for the service so far, and it is hoped that this number may be increased for the coming year.

There are now on hand a very creditable number of industrial exhibits, and new subjects are being constantly added. Many of these are the large, fine, very carefully and expensively prepared trunk exhibits furnished through the courtesy of large manufacturers. They are all particularly interesting and of high educational

articulations. Exercises for acquiring variety of phrasing and ex- value for both grade and high school pupils. Information will be furnished upon request.

Bureau of Public Discussion

The purpose of this department is to promote the public discussion of important social, economic, and industrial problems, to suggest problems for study and discussion, and to assist in every way possible in the success of such program. The chief of this bureau is also Secretary of the High School Debating League. Announcements, the special debate catalog, and other information may be had from Mr. Bert W. Prescott, Bureau Chief.

Bureau of Community Music

This bureau was newly organized a year ago with Dr. John J. Landsbury, Dean of the School of Music, as Chief. The aims of this department are as follows: To provide a library of musical records for distribution to the schools of Oregon in the manner of the visual instruction service; to promote the holding of "Community Sings," to suggest programs therefor, and to assist in making them a success; to standardize the work of the music teachers of the state, and, in cooperation with the State Music Teachers' Association, of which Dr. Landsbury is now president, to promote a socializing influence through music in the state of Oregon. Information may be had from Dr. Landsbury at the School of Music.

COMMUNITY PLAYS

With the assistance of the department of public speaking and the library, the University is giving assistance to amateur actors and producers of plays. The head of the department of public speaking has made a selection of plays suitable for high school production, and the library volunteers to send out copies of these plays for examination purposes. A publication giving suggestions in regard to the organization, coaching and producing of plays has also been issued. Advice has been given as to costumes, and the painting or purchase of scenery. It is hoped that it will be possible soon to send student actors to give plays in vacations or at week-ends, and to provide assist-

ance in coaching amateurs. Within every community is abundant talent to provide excellent cultural recreational facilities, and it is hoped that the Extension Division may assist in the organization and utilization of this talent in pageant and drama. In this field may be found amusement, recreation, stimulation and instruction for all our citizens.

BUREAU OF SPECIAL INFORMATION

To assist in fulfilling this purpose, the Extension Division announces a new department; the Bureau of Special Information. That there is a demand for such service is indicated by many inquiries the past year for information regarding school discipline, community surveys and programs, library lists, athletics, child welfare problems, municipal problems, state legislation, play and recreation, drama, references in literature and history, and requests for information on many other subjects. Special attention has been given to each inquiry and an honest attempt has been made to furnish complete and comprehensive information. The Division now offers to answer or give expert opinion on any reasonable question that falls within its province.

PUBLICATIONS OF THE EXTENSION DIVISION

The Extension Monitor, the organ of the Department of Extension Teaching, is a monthly magazine sent to all registered students and to others interested in the articles published.

The Oregon Leaflet Series is a monthly publication used for announcements, and brief monographs. Its mailing list varies with its subject matter.

The Division also publishes annually a catalog of its correspondence-study courses, one or more announcements of its extension classes, a statement of the material available through visual instruction, a report of the child welfare commission, and a bulletin of the Oregon High School Debate League. These publications are available upon request.

EXTENSION COURSES FOR MEN IN SERVICE

The Extension Division offers its educational advantages without cost to all men in the army and navy of the United States. Registration in the department of correspondence study is particularly invited.

SUMMER SCHOOL

FACULTY

(Unless otherwise noted, the members of the faculty of the Summer school are regular members of the faculty of the University of Oregon. With the exception of the President and the acting Director, the names are arranged in alphabetical order.)

P. L. CAMPBELL, B. A., LL. D., President of University of Oregon.

H. D. SHELDON, Ph. D., Dean of the School of Education and acting Dean of the Summer School in the absence of Professor Joseph Schafer.

ERNEST S. BATES, Ph. D., Professor of Rhetoric and American Literature.

ANNA BECK, B. A., Professor of Public School Music.

JOHN F. BOVARD, Ph. D., Professor of Zoology.

WILLIAM PINGRY BOYNTON, Ph. D., Professor of Physics.

A. E. CASWELL, Ph. D., Professor of Physics.

ROBERT CARLTON CLARK, Ph. D. Professor of History.

TIMOTHY CLORAN, Ph. D., Professor of Romance Language.

MABEL CUMMINGS, Director of Women's Gymnasium.

M. H. DOUGLASS, M. A., Librarian.

EDGAR E. DECOU, Ph. D., Professor of Mathematics.

C. H. EDMONDSON, Ph. D., Professor of Biology.

A. N. FRENCH, M. A., Professor of Education.

J. H. GILBERT, Ph. D., Professor of Economics.

C. A. GREGORY, M. A., Professor of Education.

CARDINELL GOODWIN, Ph. D., Professor of History, Mills College.

WILLIAM EDMUND MILNE, Ph. D., Professor of Mathematics.

ROBERT W. PRESCOTT, B. A., Professor of Public Speaking.

FERGUS REDDIE, B. A., Professor of Public Speaking.

HELEN RHODES, Assistant Professor of Drawing.

ALEX ROBERTS, B. A., Superintendent of Schools, Everett, Wash.

G. M. RUCH, B. A., Instructor in Pedagogy of Science.

F. G. G. SCHMIDT, Ph. D., Professor of the German Language.

F. L. SHINN, Ph. D., Professor of Chemistry.

WARREN D. SMITH, Ph. D., Professor of Geology.

ORIN F. STAFFORD, M. A., Professor of Chemistry.

W. F. G. Thacher, M. A., Professor of Rhetoric.
George S. Turnbull, B. A., Professor of Journalism.
Dean Walker, B. A., Assistant Professor of Physical Education for Men.
Mary Watson, M. A., Professor of English Literature.
Catherine Winslow, Ph. B., Instructor in Women's Gymnasium.
Raymond H. Wheeler, Ph. D., Professor of Psychology.
Frederic George Young, B.A., Professor of Economics and Sociology.
Harold Young, B. A., Instructor in Commerce.

GENERAL INFORMATION

The fifteenth annual Summer Session of the University of Oregon will open Monday, June 23, and close Friday, August 1. Lectures will begin on the opening day at eight o'clock. The advisers for the different groups of teachers and students will be in their offices on Saturday, June 21. Attendance at that time for consultation is highly desirable.

At the conclusion of the regular summer session, a certain number of courses will be organized for a second cycle of six weeks. The number and character of these courses will depend on the demand manifested during the regular session. They will be distributed throughout the curriculum and will include opportunities in the laboratory sciences, foreign languages, in the social sciences and in literature. A separate registration for these courses will be necessary.

The Summer School enables students and teachers to continue their studies in many important fields of study, including art, botany, chemistry, economics, education, English literature, English composition, drama, French, German, Spanish, history, journalism, mathematics, music, physical training, physics, psychology, zoology, library management and sociology. In addition courses of special interest to teachers have been provided as follows:

1. Problems of political, social, economic and educational reconstruction after the war.
2. Physical training with the Oregon situation in mind.

3. Social activities of high school, including plays, debates, athletics.

4. Library management.

5. Up-to-date discussions of high school methods and problems, with separate courses in English history, modern language, mathematics, physics and general sciences.

6. Administrative problems for superintendents, including administration proper, tests and measurements, high schools, questions of reorganization.

7. Advanced work for graduate degrees.

PHYSICAL TRAINING TEACHERS.

Physical training teachers and elementary teachers interested in physical training will find an unusual array of courses specially designed for their ends. Among these are Professor Mabel Cummings' courses covering systematic physical training in both elementary and high school; Professor Dean Walker's courses in coaching of high school athletics; Professor Bovard's "Systematic Physiology," and the courses, "The physical health of the school child" in the education department. The schedule is so arranged that these different aspects can be correlated by any one student.

MUSIC AND ART TEACHERS

The work in these two important departments represents the actual and usable achievement of the instructors in the Eugene schools in connection with the "Campus high school." The courses offered by Mrs. Beck and Miss Rhodes are worked out for Oregon conditions.

EXPERIENCED GRADE TEACHERS.

Experienced grade teachers who desire professional growth will find ample opportunity through a combination of strong culture courses in the various departments with such professional courses as "The elementary curriculum," by Professor Gregory; "The physical health of the child," by Professor French, and "Principles of psychology," by Dr. R. H. Wheeler.

SUPERINTENDENTS AND PRINCIPALS.

Superintendent Alexander Roberts, of Everett, Washington, has been specially selected to present school administration in its most up-to-date aspects. Professor Gregory offers an advanced course on tests and measurements. Dean Sheldon provides a summary of progress on the problems opened up by the war, both in this country and Europe. He also offers a research course. The departments of sociology, economics and history have much of value to offer the superintendent. The educational conference of the first week provides the data on local problems.

HIGH SCHOOL TEACHERS.

Two lines of special interest to high school teachers have been provided. The first consists of a number of separate courses, each dealing with a separate aspect. Professor Reddie offers a course in play producing especially designed for high school teachers. Professor Prescott's course covers high school debating; Professor Walker's high school athletics, and Professor Turnbull's high school publications.

The teachers who desires the most recent information on the methods of presenting his or her favorite subjects in the high school, will note that there are six courses of this description in the catalogue. The subjects so represented are mathematics, physics, general science, English literature, history and civics, and modern languages.

SCHOOL LIBRARIANS.

Two complete courses for school librarians, with special reference to high schools are offered. One of these deals with the technic of library cataloguing and the other with the more general problems with which the school and high school librarians are confronted. Arrangements are being completed to obtain the services of an expert in this field.

GRADUATE COURSES

A special bulletin describes the courses which will be given in the summer school, many of which are

offered for graduate credit. A student may meet the residence requirement for a master's regree by completing work (18 semester hours) in three summer schools. The remaining 12 semester hours may be done in absentia. Students planning for a master's degree must meet certain requirements in regard to prerequisites and should enter into correspondence with Dean F. G. Young of the graduate school.

AFTER-THE-WAR ADJUSTMENT

The problems raised by the war will be discussed in four courses offered, respectively, by the departments of history, sociology, economics and education.

EDUCATIONAL CONFERENCES

The three concluding school days of the first week of the Summer School, Wednesday, Thursday and Friday, June 25, 26 and 27, will be devoted to the annual educational conference under the auspices of the University. Leaders of educational opinion will be present as guests and will take part in the programs. During the forenoon, visiting educators will be offered an opportunity of seeing the regular sessions; in the afternoon and evening the special conferences will be held. In 1919 the conferences will embrace the following subjects: Administrative reconstruction after the war; physical reconstruction in the common schools; socialization problems in the high school; educational standards and measurements; and child welfare work in Oregon.

SUMMER SESSION ASSEMBLY

The hour from eleven to twelve a. m. each day is sacred to the Summer School assembly and no classes may be held at this hour. The various interests of the Summer School are all represented in this general center and clearing-house. The formal program consists largely of lectures, both by members of the Summer School faculty and by distinguished outsiders.

PLAYS, GAMES AND EXCURSIONS

The class in play production under the leadership of Professor Fergus Reddie, will give a number of short plays, which will come at the week-end and will be given in Guild hall, the University theater, or out of doors. Ample opportunities for physical exercise, including organized games and swimming, will be provided by the physical training department. A tennis tournament and a baseball series may be confidently expected. Excursions to near-by points, under the leadership of competent guides, are planned for the special benefit of the "hikers."

TEACHERS' CLUBS

The students of the Summer Session of 1918 struck out a new line and organized several voluntary clubs for social and professional purposes. Among these were a woman-teachers' association, a high school teachers' association and a principals' club. An informal weekly banquet facilitates wider acquaintanceship and helps each group to work out its own special problems. Several new group organizations are among the possibilities in 1919.

"SUMMER SUN"

Another new creation of 1918, the "Summer Sun," a paper devoted especially to the interests of the Summer School students, will find an enlarged place this year. This publication serves as a general news medium and promotes the various activities and undertakings of the Summer School.

HALLS OF RESIDENCE

Hendricks Hall, the new house of residence for women, will be reserved for the use of Summer School students during the session. It is a splendidly equipped home, and very attractive in arrangement and furnishings.

The hall is built in three units, all connected with the main living and dining rooms. Each unit contains nine suites and three

baths, provided well with tubs and showers. The suites, composed of study, dressing room, with closets and a sleeping porch, each accommodate two or three women, and are completely furnished with rugs, necessary bedding, linen and towels. Board and room will be $6.00 per week; board alone $5.00 per week.

Friendly Hall, the men's dormitory, will also be open for students during the Summer Session. Room rent will be $1.00 a week. Men are expected to bring a supply of towels with them. Men can obtain board for $5.00 per week.

Students desiring to make reservations for residence in either hall should address Mrs. Edna P. Datson, house director.

PRIVATE BOARDING HOUSES

In addition to the halls, a number of excellent private boarding and rooming houses will be open to students of the Summer School. A list of such places will be on file at the registrar's office and will be available to incoming students. Prices of board and room vary somewhat, but they will be found reasonable. Suites or houses furnished for light housekeeping may sometimes be secured cheaply in summer.

RAILROAD RATES

The railroad administration has not yet declared itself on the possibility of the usual reduced rates for the Summer School. If these rates are obtained the University will endeavor to secure the widest possible publicity through the press. In any event, the student can make no mistake in securing a receipt for the payment of his fare at the time of purchasing his railroad ticket to Eugene. This receipt will entitle him to any special favors or reductions which may be secured.

EXPENSE

The University charges a regular incidental fee of $10, which entitles the student to all the privileges of the University except entrance to certain laboratories, where an extra charge is made to cover materials used.

THE MILITARY TRAINING CAMPS

The University of Oregon has been officially designated as the site of certain Military Training Camps to be held during the summer of 1919. These camps are held under the auspices of the Military Training Camps' association, and the selection of the University in this connection is in recognition of the success of previous camps.

The camps are to be under the direction of Lieutenant-Colonel John Leader, of the Royal Irish Rifles, and now Professor of Military Science at the University. For 1919 the camps will be devoted largely to games, athletics, and so on, with lectures on military science, but with less emphasis on the purely military features.

While the camps are not an organic part of the Summer School, yet the two are co-ordinated; and the operation of the camps at the same time and place contributes a great deal of interest and life to the Summer Session.

ENVIRONMENT

Eugene, the site of the University of Oregon, is an interesting and progressive community of about 12,000 inhabitants. It is located at the head of the Willamette Valley, 125 miles south of Portland. Scenically, the environment could hardly be more picturesque. To the east and south the city is flanked by the wooded foothills of the Cascades, and these in turn give way to the more rugged mountains, which reach their summit in the "Three Sisters," perenially snow-capped. Through this mountain region flows the McKenzie River, and several forks of the Willamette. These streams are famous for their fishing, and every summer brings to their banks hundreds of ardent fishermen. Game also is plentiful, and the whole region is found wonderfully attractive for campers and lovers of the out-of-doors.

The summer climate is ideal, with weather that is almost invariably clear—without extreme heat, and with nights that are always cool.

DEGREES CONFERRED

Degrees have been conferred as follows since June 17th, 1918:

THE DEGREE OF MASTER OF ARTS UPON

Rosalind B. Bates
Victor Emanuel Hoven
Herbert Leigh Hussong
Celia V. Hager
M. S. Pittman

THE DEGREE BACHELOR OF ARTS UPON

Name	*Home Address*
Perry Burton Arant	
Raymond Nelson Allen	
John C. Almack	
Ellen May Anderson	
Walter R. Bailey	
Lillian May Bancroft	
Mary Withycombe Baney	
Selma Bauman	
Larue Blackaby	
Anna Landsbury Beck	
Lillian Lucylle Johnson	
Daniel Webster Boitnott	
Elmer George Boyer	
Edyth Flora Bracht	
Arlo B. Bristow	
Mildred Slara Broughton	
Lurline L. Brown	
Harold Haseltine Cake	
Jeannette Calkins	
Cleome Carroll	
Amy Elizabeth Carson	
Elizabeth Huey Carson	
Dorothy Collier	
Gladys Conklin	
Sabra Conner	
Margaret Crim	
Margaret Frances Crosby	
Lela Cushman	
Thomas D. Cutsforth	
Edith M. Dahlberg	
Mabel A. Davenport	
Helene Delano	
Herald Matthew Doxsee	
Joanna Frances Driscoll	
Ellen Dorothy Dunbar	
Charles Harold Dundore	
Egnes Dunlap	
Addrienne Epping	
Elva Elizabeth Estes	
Evelyn M. Foster	
Laura Celeste Foulkes	
Esther Furuset	
Ira Earl Gaston	
Beatrice Gaylord	
Cosby Louise Gilstrap	
Mabel Van Zante Goreczky	
Walter H. Grebe	
Ruth H. Gregory	
Joy Gross	
Emma Wootton Hall	
Elizabeth Hall	
Arle Craven Hampton	
Albert C. Hartley	
Irwin Nordahl Hartley	
William A. Haseltine	
Lillian E. Hausler	
Raymond W. Hausler	
Ella Hayden	
Cornelia Wilhelmine Heess	
Donna Belle Henry	
Mary Oliver Hislop	
Cora Madeline Hosford	
Elmer Jonathan Howard	
Doris Elise Hubbell	
Giles Hunter, Jr.	
Esther Jacobson	
Leura Jerard	
Kathryn Johnston	
Erma Keithley	
Louisa Flint Kellems	
Vivien Kellems	
Tula French Kinsley	
Jeannette Kletzing	
Freda Laird	
James Henry McCallum	
Delilah McDaniel	
Elizabeth Macdonald	
Julia Louise Manning	
Walter James Matson	
Helen Bracht Maurice	
Lillie Miller	
John Richard Montague	
Walter Lee Myers	
Jennette McClaren Nelson	
Ethel E. Newland	
Ruth T. Nye	
Miriam Page	
Jeannette F. Park	
Russell A. Quisenberry	
Olive Ann Risley	
Ruth Rothrock	
Katie Ottilie Schafer	
Lilli Schmidli	
Cord Sengstake, Jr.	
Frances Wilhelmina Schenck	
William Ralph Service	

Name	*Home Address*
Rosamund Lee Shaw	
Florence R. Sherman	
Bessie Ruth Smith	
Olga Zenobia Soderstrom	
Melvin T. Solve	
Annabel Sparkman	
A. Glenn Stanton	
Winifred Starbuck	
Sun, Tao	
Edith Lourene Taylor	
H. Caroline Taylor	
Clinton Hobart Thienes	
Martha Windiate Tinker	
Charles H. Tisdale	
Aileen Ina Townsend	
Eva L. Von Berg	
Eleanora Pauline Vossler	
Isa Hazel Wasson	
Angeline Elizabeth Watson	
Helen Gertrude Wells	
Ruth Amy Westfall	
Grson V. White	
Gladys Goltra Wilkins	
Frank Harold Willson	
Ruth Ann Wilson	
Sophus Keith Winther	
Phyllis Helen Withycombe	
Jesse B. Witty	
Mildred Arvill Woodruff	

THE DEGREE BACHELOR OF SCIENCE UPON

PhyllisLouise Clamby
Ray M. Couch
Zilpha Virginia Galloway
Satolli William Hanns
George C. Winters

THE DEGREE BACHELOR OF SCIENCE IN COMMERCE UPON

Donald Clarke Roberts

THE DEGREE BACHELOR OF MUSIC UPON

Marian Neil Giger
Ada Mathews
Hazel Josephine Radabaugh

THE DEGREE DOCTOR OR MEDICINE

Frank Jeffery Clancy
John J. Darby
John Broadhurst Farrior
George Earl Fortmiller
Ira Earl Gaston
J. Carlos Ghormley
Edward Joseph Jasper
J. Dale Jewell
Russell Keizer
Richard Percy Landis
George W. Montgomery
Kathryn Rueter
Clarence William Shannon
Robert Bell Smalley
Eugene P. Steinmetz
Herbert Leonard Strong
Dennis S. Swart
Douglas Holmes Warner
Randall F. White
Ralph G. Young
Ralph G. Young

HIGHEST HONORS

The following students have been awarded Highest Honors in the subjects listed below:

CHEMISTRY
Clinton Hobart Thienes

ECONOMICS
Helen Gertrude Wells
Ruth Ann Wilson

ENGLISH LITERATURE
Margaret Frances Crosby
Sophus Keith Winther

LATIN AND FRENCH
Miriam Page

MATHEMATICS
Ruth Amy Westfall
Olga Zenobia Soderstrom

RHETORIC
Joy Gross

HONORS IN GENERAL SCHOLARSHIP

Margaret Frances Crosby
Marian Neil Giger
Walter Lee Myers
Miriam Page

SCHOLARSHIPS

The following student, on account of high scholarship, has been awarded the full scholarship in the University of Oregon Medical School:

Clinton Hobart Thienes

The following student, on account of high scholarship in Music, has been awarded the Paul Allan Clawson Memorial Scholarship:

Marian Neil Giger

GRADUATE STUDENTS ENROLLED, 1818-19

Name	*Home Address*
Roy C. Andrews	Eugene
Margaret B. Edmondson	Eugene
Ada Hall	Eugene
Cornelia W. Heess	Portland
Henry V. Howe	Eugene
Eleanor Lee	Pomona, Cal.
D. Elody Nesty	Roseau, Dominica, B. W. I.
Annie Laurie Rogers	Virginia
Ellwyn Rutherford	Eugene
Ralph W. Tavenner	Independence
Ida V. Turney	Stanley, Wis.
Sophus Keith Winther	Eugene

STUDENT ENROLLED, 1818-19

COLLEGE OF LITERATURE, SCIENCE AND THE ARTS

Leith Abbott	Ashland
Wm. Henry Abel	Portland
Kenneth J. Ackley	Chapman
Rena I. Adam	Ontario
Frankie M. Adams	Macdowel, Cal.
Adolph B. Adams	Portland
Chester Elgin Adams	Myrtle Point
F. Cecil Adams	Macdowel, Cal.
Earl J. Adams	Silverton
John C. Adams	Portland
Raymond Adkisson	The Dalles
Marion Elizabeth Ady	Eugene
George R. Aker	Coquille
Wayne M. Akers	Wasco
Pedro Alcantaro	Capiz, Panay, P. I.
Robert T. Alfrey	Baker
Caroline Alexander	Portland
James W. Allan	Dundee
Stuart R. Allen	Laurium, Mich.
James L. Almack	Eugene
Ernest Amburn	Portland
Walter B. Amspoker	Riddle
Aulis Jenevieve Anderson	Eugene
Evon Anderson	Sandpoint, Ida.
George A. Anderson	Portland
Helen Anderson	Portland
Leland Stanford Anderson	Portland
Leroy E. Anderson	Portland
Roy Anderson	Bend
Paul Anderson	Portland
Dorothy Andrews	Eugene
Marion Lucile Andrews	Eugene
Martha Andrews	Eugene
Abby S. Andrews	Corvallis
Mildred Apperson	McMinnville
Guy E. Armantrout	Cape Girardeau, Mo.
Jory Kenneth Armstrong	Jefferson
John Martin Askey	Tacoma, Wash.
Stanley C. Atkinson	Eugene
Lillian Auld	Eugene
Elizabeth D. Aumiller	Yakima, Wn.
Mildred Aumiller	Yakima, Wn.
Richard B. Avison	Salem
Nana Axtell	Eugene
Jerald S. Backstrand	Dallas
Marie Badura	Portland
Thomas F. Bagan	Stanfield
Elva Anne Bagley	Portland
Augustus Bruce Bailey, Jr.	Portland
Eleanor J. Bailey	Junction City
Mary Ellen Bailey	Eugene
Walter L. Bailey	Springfield
Lyle M. Bain	Poplar, Mont.
David W. E. Baird, Jr.	Baker
Mrs. Martha W. Baird	Fowler, Cal.
Wm. R. Baird	Fowler, Cal.
Alfred E. Baker	Portland
Harold Edwin Baker	Portland
Frances Elizabeth Baker	Hood River
Katherine M. Baker	Hood River
Kathryn I. Baker	Hood River
Echo R. Balderree	Dallas
Clayton M. Baldwin	Portland
Alice Ball	Big Piney, Wyo.
F. Mae Ballack	Albany
George W. Baney	Eugene
Esther N. Banks	Portland
Jessie Baptie	Bakersfield, Cal.
Harold Barde	Portland
Maud Barnes	Dallas
Lois Marion Barnett	Wasco
Lela Barnum	Grass Valley
Floyd C. Bartlett	Springfield
Lee Bartholomew	Stanfield
Agnes Basler	Portland
Walter A. Bauman	Portland
Day T. Bayly	Eugene
Max L. Beals	Tillamook
Laura Alice Beck	Portland
Wm. Frank Beck	Dallas
George J. Beggs	Portland
Wesley L. Beharrell	Hillsdale
Don Belding	Eugene
Francis M. Beller	Freewater
Charles J. Bellarts	Eugene
Richard S. Bellows	Springfield, Mass
Felix Beluso	Capiz
Owen N. Bentley	Newport, P. I.
Richard F. Berg	Portland
Alda Marie Berry	Newport
Lloyd George Bertram	Portland
J. Willis Bertsch	Springfield
Margaret Alden Biddle	Milwaukie

Name	Home Address
Helen Biggs	Baker
George Black, Jr.	Portland
Mabel Black	Portland
Dwight Blackman	Milton
Mearl Blake	Ione
Kenneth K. Blake	Ione
Roy B. Blake	Ione
Mildred G. Blaker	Vancouver, Wn.
James T. Blanchard	Prineville
Charles G. Bluett	Portland
Frances E. Blurock	Vancouver, Wn.
Bessie Belle Bodine	Eugene
Robert F. Boetticher	Albany
Ruby Bogue	Eugene
Nadine Louise Bohlander	Portland
Wm. S. Bolger	Portland
Loris Bonney	Tygh Valley
Luckey Bonney	Prinville
Margaret I. Bounds	Myrtle Creek
Gwladys Bowen	Eugene
Marion Bowen	Livingston, Mont.
Milton Bower	Corvallis
Joseph D. Boyd	Lodi, Cal.
Mrs. Zona Vernon Boyd	Eugene
Elmer D. Boyer	Rickreall
Ezra G. Boyer	Rickreall
Eugene N. Boylen	Pendleton
Dorothea Boynton	Eugene
John W. Brack	Woodburn
Robert Vernon Bradshaw	Eugene
Everett Brandenberg	Deschutes
James Carter Brandon	Medford
Peter M. Brandon	Tyler, Minn.
Kelley C. Branstetter	Eugene
Mildred Brauer	Eugene
Benjamin H. Breed	The Dalles
Helen Brenton	Eugene
Esther Bricher	Cottage Grove
Morton L. Bristow	Pleasant Hill
Ralph Bristow	Eugene
Lillian Brock	Eugene
Anna May Bronaugh	Portland
Fred T. Brooker	Vancouver, Wn.
Agnes Jessie Brooks	Portland
James Thomas Brophy	Darby
Edward Estee Brosius	Hood River
Alexander G. Brown	Portland
Carl G. Brown	Salem
Dennis B. Brown	Kellogg, Ida.
C. Mortimer Brown	Los Angeles, Cal.
Wanda Brown	Stayton
Icis Leona Bryant	Island City
Lyle Bryson	Eugene
Mary Helen Buckley	Portland
Nihl A. Budlong	Portland
Hilda Bundy	Medford
Wolcott E. Buren	Salem
Wyndham R. Buren	Salem
Ralph N. Burgess	Pendleton
James M. Burgess	Lakeview
Mrs. Edna L. Burke	Eugene
Kendall E. Burke	Eugene

Name	Home Address
Helen G. Burke	Eugene
J. B. V. Butler, Jr.	Monmouth
Arthur G. Bushman	Eugene
Tracy Byers	Eugene
Mabel Byrd	Portland
Norman T. Byrne	Eugene
Charles R. Byram	Canyon City
Robert F. Callahan	Portland
Clara Calkins	Klamath Falls
Madge Calkins	Eugene
Prentice Callison	Cottage Grove
Prince Callison	Eugene
Evalena Calvert	Junction City
Clementina Cameron	Portland
Ronalda Cameron	Hillsdale
Virgil L. Cameron	Hood River
Arthur W. Campbell	Heppner
Helen Stansfield Campbell	Portland
Lindsey Campbell	Eugene
Marjorie Campbell	Portland
Laurel M. Canning	Monmouth
Carolyn Cannon	Portland
Clarence D. Cannon	Oregon City
Frances Cardwell	Pomeroy, Wn.
Wilbur Carl	Portland
Lay A. Carlisle	The Dalles
M. Marcile Carlock	Portland
Ruby M. Carlson	Marshfield
Claus Carson	Mount Gilead, Ohio
Helen Virginia Carson	Hood River
Forrest Carter	Hood River
Louis Leslie Carter	Portland
Mary R. Carter	McMinnville
Sprague H. Carter	Portland
Helen Melissa Case	Tillamook
Helen Casey	Roseburg
Florence Casey	Portland
Lucile Caswell	Eugene
Arnold Chaimov	Portland
Vivian Norene Chandler	Dayton, Wn.
Thomas I. Chapman	Marshfield
Kuang Yu Chen	China
Charles R. Chick	Ione
Anna Mae Chipping	Hood River
Mrs. P. E. Christensen	Eugene
Peter E. Christensen	Eugene
Russell Christianson	Toledo
Thomas W. E. Christmas	Portland
Dong Kiang Chu	China
Doris Churchill	Salem
Charlotte Clark	Filer, Ida.
E. Brabson Clark	Portland
Earl C. Clark	Portland
Nelson L. Clark	Portland
Helen M. Clarke	Tacoma, Wn.
Ralph F. Classic	Portland
Pauline Coad	Dallas
Agnes Coates	Tillamook
Clarence E. Cody	Eugene
Marion Coffey	Portland
Walter E. Cofoid	Portland
A. Leo Cohn	Portland
Fred Coley	Eugene

Name	Home Address
Eleanor Coleman	Eugene
Helen Sarah Colley	Drayton, N. D.
Spencer Collins	Eugene
Bess Colman	Portland
Gretchen Harwood Colton	Portland
Charles B. Comfort	Stockton, Cal.
Clyde N. Compton	Broadmead
Alice Harriet Comstock	Eugene
Kenneth Comstock	Sutherlin
Margaret Dorothy Conklin	Portland
Harold F. Connolly	Portland
Josephine M. Connors	Portland
Earl H. Cook	Gold Hill
Rholin Cooley	Portland
Albert N. Coombs	Portland
Chauncey C. Coon	Portland
Elaine Cooper	Portland
Nell Copenhaver	Eugene
Clara E. Corrigan	McMinnville
Dorothy Cox	Eugene
Ruth Cowan	Marshfield
Harold E. Cox	Portland
Remey M. Cox	Portland
Terressa Cox	Eugene
Bernice Craig	Salem
Mark R. Crain	Portland
Pearl Craine	Bandon
Violet B. Crandall	Eugene
John Herbert Creech	Aberdeen, Wn.
Beatrice Lillian Crewdson	Portland
Eldon Floyd Cross	Halsey
Pierce A. Cummings	Portland
Ward A. Cunningham	Portland
George E. Cusick	Albany
Wanda L. Daggett	Portland
Helen Dorothy Dahl	Portland
Donald S. Dalgleish	Kamloops, B. C.
Mrs. Marguerite G. Dallas	Napa, Cal.
Rex Dallas	Corvallis
Ruth Danford	Bismark, N. D.
Wm. H. Daughtrey, Jr.	Portland
Hugh P. Davey	Kellogg, Ida.
Roy L. Davidson	Helix
Charles Quincey Davis	Silverton
Clyde D. Davis	Grass Valley
Clyde K. Davis	Milwaukie
David A. Davis	Portland
Frank N. Davis	Chinook, Wn.
Kathleen Davis	Chinook, Wash.
Louise Davis	Portland
Dorothy Lucile Davidson	Nampa, Ida.
Charles Gates Dawes	Independence
Herbert R. Decker	Portland
Allen J. Delay	Eugene
Marjorie Delzell	Klamath
Esther Dennis	Portland
Roxie M. Denny	Quaker City, Ohio.
Frank A. DePue	Springfield
Vera I. Derflinger	Eugene
Ennis E. Dersham	Creswell
Katherine DeVoe	Roseburg
Ella Dews	Klamath Falls
Nelson C. Dezendorf	Portland

Name	Home Address
Dorothy May Dickey	Eugene
John Dierdorff	Hillsboro
Eva Digerness	Silverton
Gladys Stickney Diment	Marshfield
August Dindia	Portland
Dorothy Dixon	Eugene
Mrs. A. C. Dixon	Eugene
Catherine Dobie	Superior, Wis.
Jess M. Dobyns	Ione
Mildred E. Dodds	Dufur
James H. Dodson	Scappoose
Bertrand Dot Dotson	Eugene
Bertha C. Douglas	Fresno, Cal.
George C. Douglass	Portland
George Major Doust	Salem
Anna Downs	Portland
Albert Drake	Eugene
Helen Dresser	Eugene
Marjory Dresser	Eugene
Ralph Dresser	Marshfield
Agnes Driscoll	Eugene
Edwin E. Driscoll	Klamath Falls
Thomas E. Driscoll	Redmond
Helen du Buy	Eugene
Verne Dudley	Athena
Thomas A. Duffy	Portland
Armand Duncan	Scappoose
John G. Dundore	Portland
Marianne Irene Dunham	Milwaukie
Dorothy Edith Duniway	Portland
Enid Dunlop	Monmouth
Louis S. Dunsmore	Portland
Edna Aileen Duryee	Eugene
Edwin R. Durno	Silverton
Nita Hunter Dutton	Island City
Rufus M. Eckerson	Portland
Marjorie Edsall	Bly
Asa W. Eggleson	Joseph
Eunice Eggleson	Joseph
Ellis S. Ehret	Linnton
Henry Eickhoff	San Francisco, Cal.
Stanley C. Eisman	Portland
Robert R. Elliott	Minneapolis, Minn.
Wayne Elliott	Eugene
Harry C. Ellis	Baker
Loran J. Ellis	Eugene
Paul M. Ellis	Filer, Idaho
M. Harris Ellsworth	Cascade Locks
Ivan M. Ellmaker	Alturas, Cal.
Lucile Elrod	Portland
Maurine Elrod	Portland
Arthur N. Ely	Milwaukie
Merrill D. Ely	Milwaukie
Manfred Englehart	Scappoose
Henry F. English	Eugene
J. Stanley Emery	Coquille
Betty Epping	Hood River
Lela C. Erickson	Monmouth
Rae A. Erickson	Estacada
Amelia Esparza	Eugene
Newton J. Estes	Eugene
L. Alice Evans	Portland
Lucile Huston Evans	Portland

Name	*Home Address*
Mary Catherine Evans	Portland
Fred G. Evenden	Astoria
Gladys Everett	Portland
Fred L. Everson	Portland
Ethel Ewer	Eugene
Mathew J. Falerios	Lake Linden, Mich.
Stanley Fargher	Dufur
Sula Fargher	Dufur
Crecene A. Fariss	Eugene
Paul P. Farrington	Eugene
Florence E. Fasel	Portland
Frank N. Fassett	Ritzville, Wn.
Gordon B. Fauley	Oregon City
Donald J. Feenaughty	Portland
Esther Clara Fell	Eugene
Margaret N. Fell	Eugene
Wm. E. Feyrer	Molalla
Nancy Fields	Eugene
Reginald Fifer	Medford
G. E. Finnerty	Eugene
Dutee Fischer	Springfield
Len B. Fishback	Monmouth
J. Raymond Fite	Mohler, Ida.
Dorothy Flegel	Portland
Ruth M. Flegel	Eugene
Charles Fletcher	Vancouver, Wn.
Elmer Gordon Fletcher	Eugene
M. Helen Flint	Junction City
Merton Folts	Hood River
Donald Foreman	Portland
Kathleen Forrester	Okanogan, Wn.
Annie Lee Fortmiller	Albany
Ruth Olive Foss	Napa, Cal.
Henry M. Foster	John Day
Leo Frank Foster	Douglas, Ariz.
Horace G. Foulkes	Portland
Jay S. Foust	Eugene
Frank E. Fowler	Pendleton
Glenn Olive Frank	Eugene
Dora Belle Francis	Eugene
Brownell D. Frasier	Eugene
Janet Frasier	Eugene
Frances Frater	Riddle
Wm. West Frater	Riddle
Helen M. Frease	Rapid City, S. D.
Giles L. French	Grass Valley
Patty Geraldine French	Portland
Kathren Suzan Froome	Athena
James Carman Fuller	Hemet, Cal.
Vera Clarice Fuller	Fresno, Cal.
Florence Furuset	Eugene
Phebe Elizabeth Gage	Portland
Lesther G. Gale	Dallas
Ambrose Gallagher	Rainier
Marie Gallagher	Rainier
John A. Gamble	Portland
Emma Jane Garbade	Portland
Carl Garetson	Eugene
Mildred Garland	Lebanon
Harriett Garrett	Eugene
Selman Gassaway	Hood River
Sergius Gaulke	Joseph

Name	*Home Address*
Ethel Gaylord	Tilamook
Nell Gaylord	Tillamook
Herbert L. Geary	Clatskanie
Georgine Mary Geisler	Portland
Sanfred S. Gehr	Portland
Ermine H. Gentle	Monmouth
Hjalmar T. Gentle	Monmouth
Effie G. Gibson	Long Beach, Cal.
Isla Ruth Gilbert,	Oregon City
Warren E. Gilbert	Mapleton
Virginia Lucille Giles	Portland
Grace G. Gilmore	Junction City
Marion Gilstrap	Eugene
Morris B. Glicksman	Portland
Dewey G. Goddard	Long Beach, Cal.
Era Godfrey	Eugene
Claude J. Goff	Oakland
George M. Goldstein	Portland
Mervin Good	Gresham
Elinor Goodnough	Wallowa
Anne Isabel Gorrie	Springfield
Dorothy Joan Graham	Portland
Ruth Estelle Graham	Portland
Edna Gray	Portland
Margaret Vivian Gray	Oswego
Zola L. Gray	Springfield
Evelyn D. Grebe	Portland
Leola Gore Green	Baker
Lester M. Green	Portland
Lola Green	Myrtle Point
Ruth E. Green	Creswell
Ruth Lora Greene	Wapata, Wash.
Harold D. Grey	Medford
Lawrence Grey	Medford
Ruth Griffin	Portland
Eleanore Lucille Groetzinger	Pasadena, Cal.
Helen Gronholm	Astoria
William A. Grout	Portland
Mary Helen Guttery	Hood River
Francis O. Habersham	Portland
Elizabeth Hadley	The Dalles
Forest M. Hadsell	Astoria
Helen E. Hair	Grants Pass
Rena Hales	Pendleton
Virginia Hales	Eugene
M. Lois Hall	Eugene
Roxie Hall	Marshfield
Mrs. Daisy T. Halleck	Newport
Earl B. Hallmark	Waldport
Paul Hamilton	Ithica, Ohio
Zelda Hamilton	Eugene
Alice Mary Hamm	Eugene
Grace Hammarstrom	Astoria
Jennie A. Hango	Boardman
Mark I. Hanna	Portland
Estle Hansen	Portland
Eva Hansen	Marshfield
Gladys Harbke	Portland
Jeff F. Harbke	Portland
Willis J. Harbke	Portland
Albert Harding	Baker
George W. Harkenreider	Estacada

Name	Home Address
J. Chandler Harper	Milton
Fred E. Harriman	Eugene
Louise Hassan	Eugene
Bertha Hays	Eugene
Marion E. Hays	Eugene
Edgar M. Harris	Portland
George W. Harris	Eugene
Hallie Ruth Hart	Portland
Kathryn Hartley	Hood River
George V. Hartness	Portland
Robert M. Hays	Eugene
Sidney Hayslips	Vancouver, Wn.
Warren Hastings	Portland
Eric V. Hauser	Portland
Genevieve Haven	Portland
Malcolm H. Hawke	Forest Grove
Boyd W. Haynes	Rosalia, Wash.
Mary Elizabeth Hegardt	Portland
Catharine Heilig	Portland
Allard W. Heitkemper	Portland
Roscoe Hemenway	Cottage Grove
Merritte R. Hempy	Eugene
Walter J. Hempy	Eugene
Vera Ella Henderson	Portland
Vernon G. Henderson	Albany
Kenneth Hendricks	Eugene
Donald W. Henney	Portland
Clyde S. Henninger	Oakland
Beatrice Hensley	North Bend
Clarence Hesseltine	Heppner
Arthur Hicks	Canyon City
Clarence Hickok	Portland
Elsie Hildebrand	Eugene
Ormond G. Hildebrand	Wasco
Florida Hill	Colfax, Wash.
Gail A. Hiltibrand	Eugene
Mae Aldine Hillpot	Eugene
George D. Hilstrom	Vancouver, Wn.
Max Himmelfarb	Portland
Ralph C. Hoeber	Portland
Marjorie G. Holaday	Scappoose
Beatrice Holbrook	Eugene
Miriam Holcomb	Portland
John W. Holden	Portland
Marie Holden	Tillamook
Marvin K. Holland	Eugene
Willard Hollenbeck..	Battle Ground, Wn.
Gladys Hollingsworth	Portland
John Hollingsworth	Silverton
Lotta S. Hollopeter	Portland
Harlan B. Holmes	Ashland
William O. Holmes	Baltimore, Md.
Ralph Holzman	Portland
Lynn B. Holt	Harrisburg
Jacob Holzman	Portland
George P. Hopkins	Claremont, Cal.
Vivian Hopson	Salem
Winifred E. Hopson	Portland
George Horsfall	Marshfield
Ray Hostetler	Hubbard
Rieta Campbell Hough	Eugene
Helen B. Houghton	Portland
John H. Houston	Klamath Falls
Edward N. Howard	Portland
Martin A. Howard	Portland
Morieta Gladys Howard	Portland
Randolph Harvard	Portland
Edna Howd	Salem
Mrs. Henry Howe	Canyon City
Wilbur Klooz Hoyt	Hood River
Charles Hardin Huggins	Hood River
Charles Lee Hulbert	Albany
Wilbur S. Hulin	Eugene
W. Clive Humphrey	Eugene
Wayne A. Hunt	Portland
Sophia Hunter	Roseburg
Helen Huntington	The Dalles
Susanne Mildred Huntley	Oregon City
Dean C. Hurd	Harrisburg
Lucile Hester Hurd	Florence
Rachel Husband	Eugene
Victor Husband	Eugene
Eva Margaret Hutchison	Portland
Edna Hyde	Kimberly, Ida.
Elston Ireland	Hood River
Mary Irving	Oswego
Edward J. Irwin	Portland
Stephen M. Irwin	Rockaway
Ben C. Ivey	Portland
Alta Salena Jackson	Myrtle Creek
Frank S. Jackson	Portland
Francis B. Jacobberger	Portland
Vincent W. Jacobberger	Portland
Leland W. Jacobs	Medford
George Jameson	McMinnville
Harry D. Jamieson	Portland
Walter L. Jaquith	Laurel
Maybelle Jarrett	Redmond
Boyd Jenkins	Hood River
Mabel Ethelwin Jenkins	Eugene
Oran Jenkins	Albany
Fritzi Dorothy Jensen	Junction City
Albert Jensen	Portland
Erna Jeppeson	Portland
Narcissa Mary Jewett	Gardiner
Lyle Jobin	Scappoose
Flint N. Johns	Vancouver, Wn.
Arthur H. Johnson	Portland
Dessell M. Johnson	Prineville
Edith O. Johnson	Linnton
Harriette Johnson	Portland
Mrs. Kathryn E. Johnson	Portland
Ogden Johnson	Portland
Ralph Johnson	The Dalles
Hollis E. Johnston	Eugene
Lucile Elaine Johnston	Dufur
Minnie Klump Johnston	Eugene
Lester I. Jones	Newberg
Margaret Jones	Orofino, Ida.
Norris R. Jones	Baker
Robert L. Jones	Eugene
Veryle W. Jones	McMinnville
Joy Judkins	Eugene
Stanley J. Kahn	Caldwell, Ida.

Name	*Home Address*
Frederick L. Kappler	Lake Linden, Michigan
Celia Karsun	Astoria
Marjorie Kay	Salem
Esther Kaye	Portland
Ruth Kaye	Eugene
J. Warren Kays	Eugene
Beulah Mabel Keagy	Portland
Claire Keeney	Eugene
Mrs. Ellen Eddy Kelley	Eugene
Howard E. Kelley	Eugene
Mary Alta Kelly	Portland
Eugene S. Kelty	Portland
Evangeline Kendall	Jamieson
Lyman B. Kennon	Baker
Elizabeth L. Kessi	Harlan
Georgianna Kessi	Harlan
Isabelle Janette Kidd	Portland
Leta Dee Kiddle	Island City
Florence King	Junction City
Philena King	Portland
Theo Louise King	Riddle
Elizabeth Margaret Kirby	Portland
Freeman W. Kirwin	Vale
Ernest L. Kirschner	Portland
Germany Klemm	Eugene
Emma L. Knapp	Aurora
Stanley M. Knapp	Eugene
Grace Knopp	Eugene
George Dewey Knox	Eugene
Ralph Knudsen	Portland
Arnold H. Koepke	Athena
Henry Koepke, Jr.	Athena
Raymond Koessel	Portland
Harold Koopman	Grand Rapids, Mich
George W. Korn	Eugene
Frank Kronberg	Mt. Angel
Bernard Kropp	Albany
Shu-Hsing Ku	Wusih, China
Margaret M. Kubli	Portland
Helene Kuykendall	Eugene
Ami Lagus	Astoria
John R. Laidlaw	Portland
Mabel Elsie Laing	Corvallis
Erma Laird	Pleasant Hill
Wayne T. Laird	Pleasant Hill
Adelaide V. Lake	Eugene
Lloyd F. LaLonde	Vancouver, Wn.
Benjamin C. Lamb	Tillamook
Enid Rhoda Lamb	Scotts Mills
Margaret E. Lamson	Palo Alto, Cal.
Kenneth Lancefield	Amity
Ruth Lane	Eugene
Henry M. Langton	Portland
Vivian LaPrairie	Yakima, Wn.
Maude Largent	Silverton
George D. LaRoche	Portland
Percival A. Lasselle	Albany
Marc L. Latham	Silverton
Lois Laughlin	Carlton
Elsie Louise Lawrence	Medford
Raymond D. Lawrence	Woodburn
Alward W. Leavitt	Ashland
Maybelle Elizabeth Leavitt	Klamath Falls
Linden Leavitt	Eugene
Teddy W. Leavitt	Eugene
Jack Lee	Portland
John F. L. Lee	Portland
Robert E. Lees	Ontario
Henry B. Leggett	Eugene
James B. Leggett	Eugene
Sam Lehman	Eugene
Eloine V. Leighton	Elgin
Annette Leonard	Burns
Virginia Leonard	Baker
Keith Leslie	Coquille
Julian J. Leslie	Coquille
David Lesley	Caldwell, Ida
Marjorie V. Lewis	Eugene
Carl E. Liebe	Baker
Ole B. Lien	Sherwood
Alice Mary Lighter	Portland
Herman L. Lind	Portland
Harry Lindley	Enterprise
Edgar C. Lindsey	Portland
Mrs. Hazel Linney	Eugene
Forrest Littlefield	Portland
Katherine G. Livengood	Albany
Francis W. Livermore	Huber
Maud Lombard	Eugene
Fred E. Lorenz	Coquille
Helen Loughary	Dallas
Pond H. Louie	Portland
Fred D. Lowndes	Lander, Wyo.
Dorothy Lowry	Eugene
Earl F. Loydgren	Portland
D. Broox Lucas	Tillamook
Ervin J. Ludeman	Portland
Herbert R. Lukens	Coquille
Arthur Lundberg	Portland
Gladys M. Lupher	Eugene
Richard Lyans	Eugene
William Lyle	Shawnee, Oklahoma
Dewey E. McAlpin	Eugene
R. Lindsey McArthur	Baker
Verne S. McClellan	Klamath Falls
Nellie McClure	Eugene
Jessie Frances McCord	Cottage Grove
Lucile McCorkle	Portland
Mary McCornack	Klamath Falls
Irving A. McCoy	Portland
Mildred Jane McCrae	Eugene
V. Lyle McCroskey	Bellingham, Wn.
Margaret J. McCulloch	Eugene
Melissa McCullough	The Dalles
Vena McCully	Eugene
Lawton McDaniel	Wallowa
Donald McDonald	Eugene
Helen Jean McDonald	La Grande
Ethel McGilchrist	Salem
Kenneth McGillivary	Clatskanie
Elizabeth McHaley	Prairie City
Miles H. McKey	Portland
Vida M. McKinney	Eugene
Wanna McKinney	Portland

Name	Home Address
Elizabeth A. McMahan	Thurston
Ada A. McMurphey	Eugene
Elsie M. McMurphey	Eugene
Errol McNair	Bandon
Jean Mackenzie	Salem
Hope Mackenzie	Portland
Reba Macklin	Portland
Lois Macy	Portland
Elmer W. Madden	Seattle, Wn.
Garfield Madden	Seattle, Wn.
Creston Maddock	Heppner
John F. Madigan	Portland
Essie L. Maguire	Portland
Frederick H. Main	Portland
Clifford Manerud	Eugene
Mrs. Grace R. Mann	Eugene
Maurice Mann	Portland
Lewis Mannell	Eugene
Helen Manning	Portland
Margaret Mansfield	Prospect
Margaret A. Mansfield	Portland
Mrs. Thomas G. Mantle	Eugene
Dorothy Dale Manville	Portland
Merl L. Margason	Portland
Eugene E. Marsh	Metolius
Francis Marsh	Metolius
Leila Marsh	Eugene
Mary Elsie Marsh	Eugene
Mrs. Dena E. Marshall	Portland
Leona Marsters	Roseburg
Richard Martin	Portland
Clyde W. Mason	Eugene
John P. Masterson	Port Orford
Stephen W. Matthieu	Portland
Gladys I. Matthis	Amity
Mary E. Mathes	Ashland
Mary Opal Mattley	Oregon City
Carl V. Mautz	Portland
Mrs. Helen Kerr Maxham	Eugene
James Yates Maxwell	Elmira
George M. Mayo	Portland
Thomas Meador	Prairie City
Virgil Meador	Vancouver, Wn.
Norma D. Medler	Wasco
Dorris W. Medley	Cottage Grove
Clistie Meek	Coburg
George Meisinger	Waterloo
Lorna Meissner	Portland
R. A. Mersdorf	Bend
James R. Myer	Portland
Esther I. Mickelson	Eugene
Odine N. Mickelson	Eugene
Loren Mikesell	Heppner
Bernice Miller	Portland
Chas. W. Miller	Medford
Dorothy Miller	Medford
Dorothy Bernice Miller	Halsey
Kerby S. Miller	Medford
Irwin R. Miller	Portland
Mrs. Lucy Bond Miller	Eugene
Mark Miller	Portland
Slator M. Miller	Roseburg

Name	Home Address
Clifford L. Mitchell	San Francisco, Cal.
Dwight E. Mitchell	Sparta
Hattie P. Mitchell	Rickreall
Zetta Mitchell	Eugene
Laura Moates	Ilwaco, Wn.
Ralph D. Monroe	Houlton
Caroline Montague	Portland
Bernard Montgomery	Portland
Ruth Montgomery	Eugene
Charles H. Mooers	Eugene
Ray T. Mooers	Eugene
French R. Moore	Eugene
Harold A. Moore	Portland
John S. Moore	Bandon
Kenneth W. Moore	Eugene
Mary E. Moore	Eugene
Reuel Moore	Eugene
Morris H. Morgan	Portland
Guy E. Morelock	Joseph
Austrid Mork	Portland
Jasper Morris	Bandon
May Morris	Eugene
Victor P. Morris	Eugene
True Morris	Eugene
William H. Morrison	Eugene
Mary Luceil Morrow	Portland
Katherine Hall Morse	Portland
Tora Anne Mortensen	Portland
Lois Wave Morthland	Eugene
Jeannette Moss	Grants Pass
James W. Mott	Astoria
Leona Mourton	Portland
W. Jay Mulkey	Monmouth
Douglas Mullarkey	Bend
Melvin D. Murchie	Hermiston
Jane Murphy	Pendleton
John Musgrove	Sutherlin
Alice Myers	Portland
Harry L. Myers	Eugene
Ruth Nash	Aberdeen, S. D.
Andrew J. Naterlin	Oregon City
Elmer W. Neely	Coquille
Blanche Pearl Nelson	Eugene
Carl Nelson	Eugene
Elmore Nelson	Haines
Helen Nelson	Pendleton
Margaret M. Nelson	Portland
Richard Nelson	Eugene
Wanda Nelson	McMinnville
Lewis John Ness	Portland
Carl Newbury	Medford
Chaffer Newton	Hood River
Harold J. Newton	Portland
Lena Esther Newton	Pasadena, Cal.
Walter E. Nichol	Mosier
Ila Ruth Nichols	Hood River
Hal M. Nicolai	Portland
Helen Hardie Nicolai	Portland
Lewis Niven	Canyon City
Emanuel Northrup	McMinnville
Neal Nunamaker	Hood River
Alfred W. Nygaard	Portland

Name	Home Address
Marcus O'Day	Centralia, Wn.
James L. O'Donnell	Portland
Mildred G. Oliver	La Grande
Elton Olsen	Baker
Homer E. O'Neal	Rainier
Joseph L. O'Rourke	Anaconda, Mont.
Arthur Osborn	Vancouver, Wn.
Raymond Osborne	Eugene
Josephine M. Osterhout	Big Piney, Wyo.
Martha Ellen Overstreet	Nyssa
Howard M. Owens	Cloverdale
Phillip Owens	Portland
Donald Oxman	Jameson
Mary J. Packwood	Portland
Frank Palmer	Philomath
Martin Parelius	Portland
Dora Hall Parker	Ida Grove, Iowa
Mellie Parker	Astoria
Rachel Gladys Parker	Eugene
Mildred Parks	Roseburg
Dwight S. Parr	Woodburn
Dorothy Parsons	Portland
Lucile Parsons	Redmond
Lester Parton	Lebanon
Daniel M. Paterson	Portland
Charlotte E. Patterson	Portland
Dorian E. Patterson	Eugene
Russell J. Patterson	Portland
Sterling Patterson	Eugene
Vincent M. Patterson	Eugene
William W. Patterson	Eugene
Gladys Paulsen	Newberg
Mark A. Paulson	Silverton
Lillian J. Pearson	Roseburg
Levant Pease	Jefferson
Leslie T. Peery	Portland
Georgina Margaret Perkins	Gardiner
Curtiss A. Peterson	Eugene
Elizabeth M. Peterson	Hillsboro
Henry E. Peterson	Junction City
Theodore Peterson	Portland
James B. Pfouts	Junction City
Margaret Louise Phelps	Pendleton
Gertrude Phetteplace	The Dalles
March Phetteplace	Los Angeles, Cal.
Alene Margaret Phillips	Oregon City
Curtis Gerald Phillips	Portland
Dwight Phipps	Medford
Paul Pierce	Salem
Geraldine C. Pilkington	Portland
Edith Louise Pirie	Portland
Doris E. Pittinger	Portland
Roger S. Plummer	Portland
Louise Pollman	Baker
Pauline Porteous	Portland
Beatrice Virginia Porteous	Portland
Lloyd L. Porter	Alfton, Iowa
Raymond L. Porter	Portland
Royal G. Porter	Copperfield
William W. Porter	Walker
Donald Portwood	Monmouth
Aurora A. Potter	Eugene

Name	Home Address
Helen H. Purington	Burns
Harold M. Quayle	Portland
Frances C. Quisenberry	Eugene
Irene F. Rader	Ontario
William C. Ralston	Portland
Anna Laura Rand	Portland
Hazel Rankin	Medford
Mabel Rankin	Medford
Alice Irene Ransom	Eugene
Lulu Rasor	Eugene
Wilfred F. Rassier	Little Falls, Minn.
William G. Rebec	Eugene
Dorothy Reed	Portland
Hugo A. Reed	Astoria
Lucile Redmond	Redmond
Virgil M. Reeves	Lebanon
Nellie Elizabeth Reidt	Portland
Rox Reynolds	Anaconda, Mont.
Leta Estelle Rhodes	Astoria
Edna Harriet Rice	Portland
Frank C. Rice	Redmond
Hilda M. Rice	Milton
Martha Ann Rice	Boise, Ida.
Ruth Mahala Richards	Portland
Florence Kathleen Riddle	Grants Pass
Frankie Marie Ridings	Eugene
Frank Henry Riedel	Portland
George D. Riggs	Klamath Falls
Roy L. Riley	Portland
Arthur C. Ritter	Portland
Marion W. Rinehart	Condon
Naomi Robbins	Molalla
Vernice Robbins	Hood River
Cecil F. Robe	Scio
Audrey Roberts	Klamath Falls
Roscoe D. Roberts	The Dalles
Charles G. Robertson	Salem
Donald M. Robinson	Portland
Sidney T. Robinson	Portland
Loeta Leonette Rogers	Independence
Abraham E. Rosenberg	Portland
Myrtle Vivian Ross	Pendleton
Nabe Ross	Rainier
Velma A. Ross	Marshfield
Adrian K. Rouslow	Astoria
Eugene Reed Rowland	Salem
Ella B. Rowlings	Corvallis
Lynn M. Royal	Portland
Webster Ruble	Eugene
Carl Rueck	Klamath Falls
Grace Rugg	Pendleton
Albert Runquist	Portland
Arthur Runquist	Portland
Velma Rupert	Eugene
Margaret M. Russell	Tacoma, Wn.
Edward L. Ryan	Portland
Guy E. Sacre	Monmouth
Grayce Sage	Ontario
Roberta Sanborn	Portland
William O. Sandel	Silverton
Dorothy Sanford	Portland
Carlton R. Savage	Waconda
James C. Say	Sherwood

Name	Home Address
Oval Powell	Saginaw
Florence M. Powers	Marshfield
Thomas Earl Powers	Eugene
Etta Althea Prall	Napa, Cal.
Effie Adriane Price	Marcola
Dewey Probst	Eugene
Frances Edwina Prosser	Eugene
William B. Purdy	Eugene
Joseph E. Saylor	Freewater
Walter B. Schade	Portland
Ann C. Schaefers	Eugene
Paul A. Schafer	Eugene
John F. Schenk	Estacada
Joseph H. Schlosberg	Portland
James H. Schmeer	Portland
Leslie Schwering	Eugene
Dorothy Lou Scott	Eugene
Ruth Scott	Springfield
Harry G. Scrivner	Boise, Ida.
William D. Sedgwick	Creswell
S. P. Seiersen	Eugene
Corwin V. Seitz	Alsea
Maurice Selig	Falls City
Darle A. Seymour	Leaburg
William P. Sharkey	Portland
Ivan C. Sharp	The Dalles
Hazel Irene Shattuck	Vancouver, Wn.
Wesley A. Shattuck	Vancouver, Wn.
Vera Gertrude Shaver	Portland
Anne David Shea	Portland
Louise Margaret Sheahan	West Linn
Barbara Sheppard	Portland
G. Barton Sherk	Kennewick, Wn.
George C. Shields	Portland
Richard W. C. Shim	Ashland
George F. Shirley	McMinnville
Richard H. Shisler	Harrisburg
Jay M. Shively	Redmond
Francis Shrode	Walterville
Martin S. Sichel	Portland
Sanford Sichel	Portland
Virgil Signor	Springfield
Myrtle L. Silvey	Wasco
Max Simons	La Grande
Linis Simpson	Salem
Marvel E. Skeels	Coquille
Harry C. Skyrman	Trail
Emerald Sloan	Eugene
Nelly V. Sloan	Eugene
Madeline Slotboom	Portland
Bula Margaret Smith	Pendleton
Charles G. Smith	Walker
Graham B. Smith	Eugene
Harry A. Smith	Eugene
Irva Alice Smith	Walterville
Irving G. Smith	Redmond
Kenneth G. Smith	Portland
Lora Evelyn Smith	Redmond
Lynde C. Smith	Wasco
Margaret Smith	Klamath Falls
Meryl W. Smith	Mill City
Stephen G. Smith	Portland
William G. Smith	Portland
Donald D. Smythe	Eugene
Nell Southworth	Dallas
Eleanor E. Spall	Portland
Paul E. Spangler	Eugene
Bernice L. Spencer	Eugene
Donna Spencer	Portland
Lotta Spencer	Joseph
Nettie Spencer	Eugene
Ruby Ellen Spencer	Eugene
John C. Sponsler	Niantic, Ill.
Joseph V. Springer	Portland
Emily Belle Spulak	Canby
Ruth Stadwalter	Eugene
John F. Stanley	Coquille
A. Glenn Stanton	Humboldt, Iowa
Lucille Stanton	Humbolt, Iowa
Silas E. Starr	Dallas
Howard E. Staub	Portland
David Lloyd Stearns	Portland
George M. Stearns	Prineville
Harry I. Stearns	Prineville
Geneva Marie Stebno	Eugene
Charles E. Stein	Eugene
Mildred Steinmetz	Portland
William F. Stenson	Snohomish, Wn.
Charles L. Stephens	Portland
Leslie C. Stephens	Eugene
Emma Stephenson	Eugene
Irene Stewart	Eugene
Roy T. Stickels	Eugene
Frances Stiles	Portland
Lloyd W. Still	Milton
Dorothy Stine	Portland
Ollie M. Stoltenberg	Hillsboro
Theodora Stoppenbach	Portland
Romona Adelphine Stover	Eugene
Thomas A. Strachan	Dufur
Ulala M. Stratton	Eugene
Marguerite Straughan	Pendleton
Mabel Vivian Strong	Carson, Wn.
Margaret Studer	Portland
Stella Franklin Sullivan	Portland
Lee M. Summerville	Portland
Richard Sunderleaf	Portland
Ruth Pauline Susman	Portland
Alys L. Sutton	Portland
William P. Sutton	Eugene
Claire Sweeney	Alpine, Cal.
Frances E. Tate	Wasco
E. Mowbray Tate	Portland
George B. Taylor	North Bend
George W. Taylor	Vale
Marian Priscilla Taylor	Eugene
Lloyd Tegart	Portland
Alfred S. Teller	Portland
Vera Temple	Pendleton
Thomas J. Tengs	Eugene
Florence Tenneson	Portland
Sidney B. Tewksbury	Portland
Ernest F. Theidemann	Vancouver, Wn.
Irvin C. Thomas	Forest Grove
Hugh M. Thompson	Bend

Name	*Home Address*
Margaret Della Thompson	Bend
Richard Thompson	Portland
Walter N. Thompson	Nyssa
Clifford Thomson	Pleasant Hill
Elna M. Thomson	Echo
Ernest H. R. Thun	Dundee
Elvira J. Thurlow	Portland
Alice Thurston	Roseburg
Grace Elizabeth Tigard	Tigard
Herman Timmer	Milwaukie
Grace E. Titus	Santa Rosa, Cal.
Mrs. Lucille Hood Titus	Portland
Vera G. Tobey	Eugene
Jessie O. Todd	Eugene
Mary Townsend	Portland
Veronica Tracy	Albany
Weltha Trafzer	Eugene
Pauline Evelyn Trezise	Boulder, Colo.
Ruth Ann Trezise	Boulder, Colo.
Joe F. Trowbridge	Portland
Mary Turner	Eugene
John K. Tuerck	Portland
Harry A. Tuttle	Eugene
Thomas M. Tuve	Salem
Edward S. Twining	Oswego
Frank C. Valck	Portland
Nina Van Allen	Hood River
Leslie K. Van Bibber	Monument
Donald Van Boskirk	Eugene
Mrs. Jessica Van Dellen	Yreka, Cal.
David Vandenberg	Portland
Arthur C. Vandevert	Bend
Mildred Van Nuys	Parkdale
Alice Frances VanSchoonhoven	Portland
Vera Greer Van Schoonhoven	Portland
Harriett Elizabeth Van Tassel	Portland
Caryl S. Van Valzah	Springfield
George Van Waters	Portland
Mrs. Annette H. Vaughn	Eugene
Roy N. Veatch	Eugene
Anna F. Vogel	Harrisburg
Earle E. Voorhies	Grants Pass
Roy T. Waggoner	Eugene
Leah M. Wagner	Wilsonville
Ethel M. Waite	Sutherlin
Ethel Harvey Wakefield	Long Beach, Cal.
George Walker	Monmouth
Vivian D. Walker	Santa Rosa, Cal.
Glenn Walkley	Eugene
Frank D. Wallace	Cottage Grove
George B. Wallace	Freewater
Glenn Walter	Milton
Lila Ware	Stayton
Clare Frances Warner	Portland
Nell Edna Warwick	Marshfield
Clara Margaret Watson	Big Oak Flat, Cal.
Donald Watson	Vancouver, Wn.
Forest C. Watson	Portland
John M. Watson	Turner
Helen Lucile Watts	Scappoose
Mrs. Pearl Watts	Montpeiler, Ind.
Charles L. Waugh	Portland
Arthur C. Weatherhead	Los Angeles, Cal.
Beatrice I. Wetherbee	Eugene
Mrs. Mabel Weatherhead	Los Angeles, Cal.
Walter Wegner	Sutherlin
Paul Weidenheimer	Corvallis
Carlton B. Weigel	The Dalles
Mrs. Maude Marston Weir	Eugene
Y. Mabel Weller	Eugene
Gordon Wells	Eugene
Margaret C. Wells	Marcola
Stanley Wentz	Portland
Harry Westerman	Portland
Horace D. Westerfield	McMinnville
Martha Westwood	Baker
Gretchen A. Wheeler	Eugene
Alice Wherity	Astoria
Edna May Whipple	Bellingham, Wn.
Helen Eleanor Whitaker	Myrtle Point
James E. Whitaker	Myrtle Point
Herald W. White	Cottage Grove
Margaret Irene Whitefield	Portland
Merritt B. Whitten	Portland
Gertrude Mae Whitton	Eugene
Marguerite A. Whitton	Eugene
Frances Wiles	Eugene
Adam M. Wilhelm	Monroe
Max M. Wilkins	Portland
Thelma Wilkinson	Williams
Richard A. Wilcox	Redmond
Clarence W. Williams	Prairie
John B. Williams	Grants Pass
John C. Williams	Eugene
Marion Tuttle Williams	Eugene
Melba Williams	Eugene
Stephen R. Williams	Portland
David H. Wilson	Roseburg
Blanche Wilson	Portland
Dow Wilson	Rufus
Ford E. Wilson	Salem
Katharine Holt Wilson	Portland
Louise F. Wilson	Portland
Mary Elizabeth Wilson	Eugene
Margaret Winbigler	Portland
Howard S. Wines	Eugene
Norton G. Winnard	Heppner
Inga Winter	Portland
Oncita Bernice Wirtz	Portland
Joseph W. Wise	Vancouver, Wn.
Albert Woertendyke	Portland
Vera Wood	Klamath Falls
Helen Avis Woodcock	Portland
Rollin W. Woodruff	Portland
Floyd Woodings	Washougal, Wn.
Marvin B. Woolfolk	Oregon City
Dorothy Wootton	Astoria
Saima Wuori	Astoria
Rex Yamashita	Medford

Name	*Home Address*
Adrian Yancy	Prineville
Bruce Yergen	Hubbard
Jennie Yoder	Eugene
Beatrice Althea Yoran	Eugene
Elizabeth Clare Yoran	Eugene
E. Grace Young	The Dalles
Hazel Clementine Young	Portland
Ruth Evelyn Young	Seattle, Wn.
Erma McKee Zimmerman	Eugene
Isobel F. Zimmerman	Portland

CIVIL SERVICE STUDENTS

Mildred Aumiller	Yakima, Wn.
Ruth Bailey	Brownsville
Helen J. Barnes	Winifred S. D.
Emma Johanna Berg	Barlow
Mrs. Ida L. Boqua	Eugene
Gwladys Bowen	Eugene
Mildred Leona Burdick	Portland
Beulah Cardwell	Pomeroy, Wn.
Kate S. Chatburn	Bandon
Louise Clausen	Coquille
Ireta Cooly	Eugene
Mae Leon Crittenden	Hubbard
Mabyn L. Crook	Jonathan, Wn.
Ruby Crittenden	Hubbard
Margaret Hamblin	McMinnville
Alma Ditto	St. Helens
Mrs. Trevis Fenton	Eugene
Gladys Ferrall	Portland
Mary Elizabeth Graham	Eugene
Mabel C. Hanna	Eugene
Dorothy Kate Hayden	Mohawk
Elma Letty Hendricks	Eugene
Carlotta Hickox	Eugene
Etta Corey Holbrook	Eugene
Eva M. Hutchinson	Portland
Mrs. Mattie Inman	Eugene
Crystal Maud Jacobs	Eugene
Edith Olive Johnson	Linnton
Alvin Johnson	Lakeside
Theo Louise King	Riddle
Winona Adele Lambert	Portland
Etta Belle Lydick	Eugene
Mary Louise McArthur	Marshfield
Adah Antoinette McMurphey	Eugene
Anastasia O'Farrell	Eugene
Mette Olsen	Eugene
Alice E. Parker	Blachly
Lucile Parsons	Redmond
Ruby Martha Porter	Monroe
Mabel Pryor	Eugene
Dorothy Prairie	Eugene
Irene F. Rader	Ontario
Marjorie Reckard	Eugene
Mrs. Selma Rittenberg	Seattle, Wn.
Bernice Robb	Eugene
Mrs. Helen Roberts	The Dalles
Anna Colletta Schaefers	Eugene
Gladys E. Smith	Redmond
Virginia Smith	Eugene
Mildred J. Steinmetz	Portland
Donna Spencer	Portland
Agnes M. Summer	Eugene
Lily A. Taylor	Portland
Avis Thompson	Springfield
Grace I. Tiffany	Eugene
Eva L. Von Berg	Albert Lea, Minn.
Mrs. R. T. Waggoner	Eugene
Edith Waite	Eugene
Blanche Wilburn Warren	Bly
Nell E. Warwick	Marshfield
Myra H. Young	Vancouver, Wn.

MEDICAL SCHOOL

FIRST YEAR STUDENTS

Name	*Home Address*
Jay Coffey	
Emmeline Frances Banks	
Wilford Hall Belknap	
Arthur Y. Boyce	
Charles Ferguson	
Zilpha V. Galloway	
Leon Albert Goldsmith	
Arthur Max Hoffman	
James Edward Lomax	
Ira A. Manville	
Walter Herman Miller	
Albert T. Morrison	
John Richard Montague	
Mildred McBride	
Charles C. Newcastle, Jr.	
Edwin E. Osgood	
Edmund H. Padden	
Clinton H. Thienes	
Harry Beal Torrey	
Olin L. Wills	
M. E. Wilson	
Grace Young	

SECOND YEAR STUDENTS

Helen I. Ahrens
Archie E. Bird
Clarence W. Brunkow
Winfred H. Bueermann
Frank H. Campbell
Jessie B. Farrior
Irvin R. Fox
Victor Freed
Edward A. Gourdeau
Raymond W. Hausler
Albert W. Holman
John W. Huston
Alfred H. Johnston
Lester T. Jones
Anna Mumby
Alfred B. Peacock
Harold M. Peery
Homer P. Rush
George F. Sanders
Laban A. Steeves
George V. Vandevert

THIRD YEAR STUDENTS

C. Elmer Carlson
Gavin C. Dyott
Wilmot C. Foster
John Henry Gosnell
Irene M. Hunt
Harry S. Irvine
A. F. Walter Kresse
W. Park Richardson
Charles H. Rogers
Earl J. Schuster
Raymond R. Staub
Benjamin M. Tanaka
Glenn M. Yount

FOURTH YEAR STUDENTS

Anson G. Allen
John N. Barcroft
Leland V. Belknap
Linus H. Bittner
Jesse L. Bloch
Vernon J. Brown
Nicholas S. Checkos
Clyde W. Collings
Charles D. Donahue
Herbert G. Foskett
Elmer Irvine
Trenton W. Johnston
Irving E. Lloyd
Victor H. Leweaux
Edmond W. Simmons
Ivan M. Woolley

SPECIAL STUDENTS

John A. Kelleher
Gladys M. Murray
James T. Papas
Nicholas A. Schumacher
Lura B. Tamiesie

POSTGRADUATE STUDENTS—SUMMER SCHOOL, 1918

Mrs. E. S. Ackert.....Myrtle Creek
John C. Almack .....Eugene
June Beebe .....Eugene
H. Omer Bennett .....Roseburg
Florence Bowden .....Corvallis
Julius H. Comby .....Glendale
Mrs. Pansy Davidson .....Eugene
Mrs. Margaret B. Edmondson..Eugene
Charles A. Howard .....Eugene
Evangeline Husband .....Eugene
Mary E. Jones .....Rex
E. L. Keezel .....Eugene
David C. Kellems .....Eugene
Vivien Kellems .....Eugene
Georgia Kinsey .....Eugene
Russell W. Lewis .....Newberg

Name	*Home Address*
Nellie Lombard	Eugene
G. W. Milan	Phoenix
Marjorie V. Miller	Eugene
Victor P. Morris	Eugene
Amy O. Pechin	Forest Grove
Levi T. Pennington	Newberg
Marvin S. Pittman	Monmouth
Gilbert C. Shambaugh	Newberg
Ralph W. Tavenner	Monmouth
Henry L. Thorsett	Eugene
Fred A. Tiedgen	Marshfield
Pauline Walton	Eugene
Josepha Wilson	Eugene

SUMMER SCHOOL STUDENTS—1919

Caroline Alexander	Portland
Mary Alexander	Portland
Ina Pearl Allen	Amity
Rena Anderson	Eugene
Claud A. Arehart	Roseburg
Mrs. Alta A. Armstrong	North Bend
Jessie H. Armstrong	Eugene
Mary Ethel Ashurst	Eugene
Nora Baird	Monmouth
N. Anderson Baker	Springfield
D. W. Boitnott	Heppner
Edna W. Ball	Eugene
Effie G. Basford	Portland
Stella L. Basford	Portland
Anna Landsbury Beck	Eugene
Anne W. Biesen	Portland
Clara M. Blais	Eugene
Margaret Bounds	Eugene
Robert V. Bradshaw	Eugene
Carter Brandon	Medford
Mildred Brauer	Eugene
Elizabeth J. Braun	Portland
Evelyn Brown	Basin, Wn.
Anton Buttedal	Eugene
Estella Campbell	Spokane, Wn.
Grace Campbell	Spokane, Wn.
Margaret R. Casad	Dillard
Kuang Yu Chen	China
Dong Kiang Chu	China
Jennie Cook	Albany
Lacy B. Copenhaver	Springfield
Myrtle Copenhaver	Albany
Ruby M. Coryell	Myrtle Creek
Winifred M. Crawford	McMinnville
Jeannette Cramer	Grants Pass
Virgie M. Crow	Eugene
Marian Day	Eugene
Ruth DeLay	Eugene
Frank DePue	Springfield
Katherine De Voe	Roseburg
R. Ella Dickerson	Eugene
Dorothy Dunn	Eugene
Margaret Dyer	Eugene
W. M. Dyer	Eugene
Rufus M. Eckerson	Portland
Calista Eliot	Portland
George E. Finnerty	Albany
Ida S. Fletcher	Andover, Mass.
Dorothy E. Foster	Portland
Almeda J. Fuller	Dallas
Mary Huntington Fuller	Eugene
Isolene Gilbert	Eugene
G. W. Godward	Jacksonville
Franklin A. Golden	Marshfield
Oscar Gorrell	Oakland
Pearl Hall	Myrtle Creek
David A. Hammack	Vale
A. C. Hampton	La Grande
Laura G. Harvey	Portland
Marion E. Hays	Eugene
Donna Belle Henry	Eugene
May Hewes	Albany
Mary E. Hill	Portland
Ida H. Holmes	Portland
Vesta Holt	Eugene
Jacob Holzman	Portland
Ralph Holzman	Portland
George Horsfall	Marshfield
Flora E. Housel	Eugene
Alice E. Hughes	Portland
Edna Hyde	Kimberly, Ida.
Della Jackson	Lorane
Howard James	Enterprise
Mrs. Laurie W. James	Robinett
Arilla Jarvis	Eugene
Erna Jeppeson	Portland
Mary E. Jewett	Eugene
John A. Kelleher	Cork, Ireland
Mrs. Ellen Kelley	Eugene
Grace Knopp	Eugene
Elsie A. Lea	Eugene
Mrs. Hazel Linney	Eugene
J. E. Lomax	Boise, Ida.
May Lund	Coquille
Jessie McCord	Cottage Grove
Vida McKinney	Eugene
Vida McLean	Eugene
Elizabeth Macdonald	Portland
Maud Mattley	Oregon City
Vera Moffatt	Eugene
Elsie T. Miller	Eugene
Mary V. Miller	Tillamook
Mildred Minshall	Eugene
Ruth Montgomery	Eugene
Ruth B. Moody	Eugene
Wilmetta E. Morse	Stayton
May Neill	La Grande
Geraldine F. Nibler	Eugene
Vincent Patterson	Eugene
Floyd W. Perisho	Newberg
Vera Perkins	Springfield
Aurora Potter	Eugene
Mabel Rankin	Eugene
Edna H. Rice	Portland

Name	*Home Address*
Marie Ridings	Eugene
Mrs. Miriam S. Ripley	The Dalles
Geraldine Ruch	Eugene
Laura Ruth	Eugene
William R. Rutherford	Eugene
Elsie M. Schmeer	Portland
Carmen Schmidli	Oregon City
Dorothy Scott	Eugene
Elsie Scott	Bellingham, Wn.
Sister Mary Amelberger	Oswego
Sister Mary Antonella	Oswego
Sister Mary Andrea	Oswego
Sister Mary Evangeline	Oswego
Sister Mary Joan	Oswego
Sister Mary Rose Alma	Oswego
Aubrey G. Smith	Roseburg
Thora L. Smith	Medford
Emily Spulak	Canby
Helen A. Spulak	Eugene
Emma Stephenson	Eugene
Jean Strachan	Dufur
Alice Striker	Eugene
Ruby L. Sullivan	Geraldine, Mont.
John G. Swan	Ashland
Clare Sweeney	Covelo, Cal.
John D. Taylor	Eugene
Lourene Taylor	Eugene
Wilhelmina Theilig	Eugene
Irvin C. Thomas	Eugene
S. David Titus	Amity
Vera Tracy	Albany
L. W. Turnbull	Eugene
Roy N. Veatch	Eugene
Nora Vossler	Wheeling, W. Va.
Mazie Walker	Eugene
Cora E. Ware	Eugene
Tennessee Weatherred	Hillsboro
Frances E. Weaver	Reedley, Cal.
John M. Weaver	Clear Lake, Wn.
Helen Weed	McMinnville
Mabyl Weller	Eugene
O. V. White	Brownsville
Mrs. Gertrude Whiteis	Terrebonne
Marguerite Whitton	Eugene
Frances Wiles	Eugene
Mabel Wilson	Yoncalla
J. S. Wright	Eugene
Nellie S. Wright	Eugene
Jennie Yoder	Eugene
Grace Young	Ontario, Cal.
Isabel F. Zimmerman	Portland

COMMERCE STUDENTS—SUMMER SCHOOL, 1918

Mrs. Henri Anderson	Eugene
Lillian Auld	Eugene
Edna W. Ball	Eugene
Clara M. Blais	Eugene
Margaret Bounds	Eugene
Lillian Brock	Hood River
Walter J. Burns	Corvallis
Ruby Callison	Eugene
Hallie L. Carter	Eugene
Dorothy Cox	Ashland
Alma Cummins	Eugene
Gertrude Deierlein	Eugene
Anna M. Dunn	Eugene
W. M. Dyer	Eugene
Mavrette Eaton	Eugene
Mrs. Ella T. Edmundson	Eugene
R. W. Ewer	Eugene
Lucille Frazer	Eugene
Josephine W. Getchell	Eugene
Donna Belle Henry	Eugene
Mrs. F. R. Hunt	Eugene
Mrs. M. J. Inman	Eugene
Maud Jacobs	Eugene
Elizabeth A. James	Eugene
Arilla Jarvis	Eugene
Vivien Kellems	Eugene
Mrs. Henry Korn	Eugene
Ida Larison	Springfield
Vera Mannell	Eugene
Grace P. McClain	Eugene
Mrs. A. J. McKinnon	Portland
Mary V. Miller	Eugene
Ruth Montgomery	Eugene
Ruth Nye	Medford
May Pollock	Eugene
Margaret Reynolds	Eugene
Inez Russell	Eugene
Emily Spulak	Canby
Helen Spulak	Eugene
Gloe Stacy	Natron
Agnes Sumner	Eugene
Elsie Taylor	Eugene
Lucile Abrams Thurber	Eugene
Roy Veatch	Eugene
Mrs. Grace Van Boskirk	Eugene
Eleanora Vossler	Wheeling, W. Va.
Glenn Walkley	Eugene
Hazel Warnock	Eugene
Dorothy Wheeler	Eugene
Clystia G. Wilson	Eugene
Josepha Wilson	Eugene
Jennie Yoder	Eugene
Olive Zimmerman	Eugene

PORTLAND SUMMER SCHOOL—1918

Laura Alming	Medford
Jessie Noble Anker	Beaverton
Sister M. Antonia	Portland
Ruth Amunsen	Portland
Amy H. Augur	Portland
Elva Anne Bagley	Portland

Name	Home Address
L. L. Baker	St. Helens
S. F. Ball	Portland
Mrs. T. H. Banfield	Portland
Hazel Barbey	Portland
Gladys M. Barr	Corbett
Anna W. Barrett	Portland
Mrs. A. Bayly	Portland
Agnes Beach	Portland
Sara Beattie	Portland
Judith S. Bernstein	Portland
Kathleen Black	Portland
Alta Blood	Portland
Mrs. C. H. Bodley	Portland
Lucile Bonebrake	Portland
Edward A. Boyrie	Portland
Anna Brigham	Portland
George S. Brown	Portland
Ora Brown	Portland
Helen A. Buckler	Portland
Mrs. D. E. Bullis	Corvallis
S. Burges	Portland
Mabel F. Burgh-Duff	Portland
Mrs. G. D. Burns	Milwaukie
Dr. C. W. Burtt	Portland
Theodora M. Bushnell	Portland
Marian Butterworth	Portland
Mrs. Sarah S. Cadwell	Portland
Ethel Calkins	Portland
Gertrude Campbell	Portland
Lois G. Carnahan	Portland
Geraldine Cartmell	Portland
Myra Castle	Corvallis
Ethel M. Cearns	Portland
Inez May Chambers	Portland
Mrs. F. N. Chapel	Portland
Maud Chollar	Portland
Helen L. Clair	Portland
Mrs. Bird B. Clarke	Chapman
Olive Cole	Portland
Blanche Comstock	Portland
Nina M. Conlee	Portland
May B. Conner	Portland
Catherine V. Conway	Ontario
Mildred F. Copeland	Portland
Dorothy L. Couper	Portland
Ada L. Cress	Portland
Marian A. Culver	Portland
Martha Daubenspeck	Stevenson, Wn.
Sister A. F. Danis	Vancouver, Wn.
I. Dantoff	Portland
Edith P. Darling	Portland
C. A. Davidson	Portland
Catherine Davis	Portland
Mary Deggendorfer	Portalnd
Mrs. Ilse Delbruck	Portland
Eugenia Deming	Portland
Mrs. Euphemia Dimick	Portland
Dora J. Dooley	Portland
Robert H. Down	Portland
Mabel Downs	Portland
Elizabeth C. Doyle	Portland

Name	Home Address
Helen F. Duck	Portland
Ione Dunlap	Portland
Venita Earl	Portland
Laura G. Eaton	Portland
Christine Eden	Portland
Ella Ehmsen	Portland
Mauna Loa Fallis	Portland
Ethel L. Fogg	Portland
Christine Forbes	Portland
Lucy Foulkes	Portland
Wilhelmina Frantz	Portland
Marguerite Freydig	Portland
Grace L. Funston	Portland
Helen Galbraith	Portland
Bertha Anna Gardner	Portland
Esther Lena Gardner	Portland
Thecla Garvey	Portland
Bessie Geller	Portland
Adelia Gibbs	Portland
Naomi Gilbertson	Harrisburg
Mrs. Agnes M. Glenn	Portland
Dorothy Joan Graham	Portland
Janet M. Grant	Portland
Norma Graves	Portland
Edith Gregory	Portland
Lenore Gregory	Portland
Mrs. Grace J. Hagan	Portland
Clara Haettinger	Portland
Lillian M. Haight	Portland
Roxie Hall	Portland
Zella M. Hall	Portland
Helen M. Hallgren	Portland
Ruth E. Halvorsen	Portland
Grace Hammarstrom	Astoria
Vida Hammond	Portland
Maggie L. Hampton	Portland
Rose G. Hannon	Newberg
Eva Hansen	Portland
Ruth H. Harding	Portland
Katherine Harris	Portland
Julia C. Harrison	Portland
Mrs. Harriet Harvey	Portland
Merle Hathaway	Portland
Genevieve Haven	Portland
Margaret Hawkins	Portland
Jack Haynes	Portland
Minnie R. Heath	Portland
Sister R. G. Hebert,	Vancouver, Wn
Dorcas Hedin	Portland
K. Hefner	Portland
Lydia Hefner	Portland
Marcia Hein	Portland
Beulah Henderson	Portland
Madge Hill	Portland
Lorraine Hinson	Portland
Margaret E. Holden	Portland
W. Aimee Hollingsworth	Portland
Mrs. Katharine Hollister	Portland
Marion M. Holmes	Portland
Winifred Hopson	Portland
Mabel O. Howard	Portland

Name	Home Address
Mrs. Rachel Howard	Portland
Mrs. Alice Hugill	Portland
Carrie E. Hunt	Portland
Mrs. Eleanor M. Hurd	Portland
Mary Hurst	Portland
Edward Huston	Canby
Elsie Isaacson	Portland
Leonore Isaacson	Portland
Jean Olive Jacobs	Portland
Gwendolen Jane	Portland
Mary Johns	Pendleton
Ida May Johnston	Portland
Mrs. K. E. Johnston	Portland
Mrs. R. W. Johnson	Portland
Mrs. A. W. Jones	Portland
Hulla M. Kehril	Hillsdale
Ruby H. Kennedy	Portland
Georgie M. Kiger	Portland
Mrs. J. E. King	Portland
Jessie Laird	Portland
Maurine Laker	Portland
Edna I. Lamar	Portland
Martha Landis	Portland
May Lavin	Portland
Beatrice M. Legg	Portland
Mrs. F. B. Ley	Portland
Grace Lilly	Portland
Beatrice M. Locke	Portland
Celia C. Lundeen	Portland
Mrs. Jean P. McCracken	Portland
Margaret J. McCulloch	Oregon City
Sister C. M. MacDonald	Vancouver, Wn.
Elizabeth McGaw	Portland
Elizabeth McKenna	Vancouver, Wn.
Margaret McKinlay	Portland
Esther McKinney	Moro
Sister A. G. McLellan	Vancouver, Wn.
Jessie R. McLelland	Portland
Katherine McMillan	Portland
Juna McQuaid	Portland
Ruth MacGregor	Portland
John W. MacLaren	Portland
Francis T. Maber	Portland
Lucia Macklin	Portland
Helen Manning	Portland
Clara Manny	Portland
Nellie O. Marshall	Portland
Mrs. G. H. Marsh	Portland
Mrs. Ellen J. Martyn	Portland
Agnes Matlock	Portland
Stephen W. Matthieu	Portland
Carolyn E. Merritt	Portland
Mrs. Mabel D. Merwin	Portland
Allen C. Miller	Portland
Bernice Miller	Portland
Marion E. Mitchell	Portland
Margaret Monroe	Portland
Mrs. J. E. Montgomery	Portland
Minnie E. Morris	Salem
Phyllis Muirden	Portland
Clara Isobell Myren	Portland
Marie Myers	Portland
Anna Neicken	Portland
Mrs. Susan T. Neil	Portland
Elsie Niles	Portland
Philip Nissirios	Portland
Aline E. Noren	Portland
Mrs. Catherine E. Norrie	Portland
Laura H. Northup	Portland
Edith S. Oliver	Portland
Esther F. Olson	Portland
Gertrude A. Orth	Portland
Viola Ortschild	Portland
Virginia Owens	Portland
Mrs. Eva Packwood	Portland
Helen M. Painton	Portland
Claude F. Palmer	Portland
Juanita Parker	Portland
Mellie L. Parker	Portland
Dorothy A. Parsons	Portland
Charlotte E. Patterson	Portland
Merritt E. Peck	Portland
Lucinda Peterson	Portland
Augustus M. Phoebus	Portland
Florence Pifer	Hood River
Ottilie Pottner	Portland
Florence Price	Portland
Glenn C. Quiett	Portland
Laura Rand	Portland
Mrs. J. A. Randall	Portland
Marguerite Rankin	Portland
Myrtle Reed	Portland
Nellie E. Reidt	Portland
Mrs. May R. Rice	Portland
Mrs. A. V. Ritchie	Portland
Mrs. J. A. Randall	Condon
Kate Ronde	Portland
A. E. Rosenberg	Portland
Grace Rossiter	Portland
Roberta Sanborn	Portland
Mrs. Alice L. Sawyer	Portland
Margaret Schantin	Portland
Minni Schassen	The Dalles
Lucie Suzanne Schmidt	Portland
Anna G. Schneider	Portland
Hulda Schneider	Portland
Mrs. Emma A. Scholl	Portland
Marion E. Scholes	Portland
Myrtle Schuman	Portland
Evelyn Segal	Portland
Mollie Segal	Portland
Gertrude Sharpe	Portland
Margaret M. Sharp	Portland
Mrs. Alice Sheridan	Pendleton
Mary E. Sheridan	Portland
Ethel Sherwood	Portland
Dora B. Shreve	Portland
Lela M. Slater	Portland
M. Eleanor Slingerland	Des Moines, Iowa
Madeline Slotboom	Portland
Alma J. Smith	Portland
Almeda Smith	Portland

Name	*Home Address*
Dorothy M. Smith	Portland
Inez F. Smith	Portland
M. Isabel Smith	Portland
Stephenson Smith	Portland
Annabel Sparkman	Portland
T. E. Speirs	Portland
Eleanor Statter	Portland
Frank Steffen	Portalnd
Lyle Stewart	Portland
Mrs. H. L. Stoner	Portland
Barbara Streif	Hillsdale
Agnes Sullivan	Portland
Blanche Sutton	Portland
Zella Swinford	Portland
Sister Martha F. Thibault	Vancouver, Wn.
Elizabeth Tillson	Portland
Edith Train	Portland
Matie B. Train	Portland
Katherine Twomey	Oak Grove
Alice Van Schoonhoven	Portland
Vera Van Schoonhoven	Portland
Elsie Van Wyngarden	Portland
Katharine Vedder	Oswego
Mathilde Veit	Portland
A. Rafael Vejar	Portland
Edina H. Venator	Portland
Mrs. M. M. Wade	Portland
K. Elizabeth Wagner	Oregon City
Sister M. Walburga	Portland
Alice M. Waldron	Oak Grove
Olive S. Walsted	Portland
Wampler, Mrs. M. E.	Portland
Gwendolen Weaver	Portland
Allie Wells	Portland
Gladys T. Wendorer	Oswego
Clyde E. White	Portland
Mrs. H. W. White	Portland
Mrs. Paul Whiteside	Hillsdale
Roza Weller	Portland
Claribel Williams	Waluga
Margaret Williams	Oregon City
Pearl Williamson	Portland
Louise Wilson	Portland
Aline C. Wolff	Portland
Edith Woodcock	Portland
Mabel Woodcock	Boise, Ida.
Burnie L. Woodruff	Portland
Elizabeth Woodruff	Portland
K. Yoshioka	Portland
Edith J. Young	Portland
Kate E. Young	Portland
Lila Sengstake Young	Portland

SCHOOL OF MUSIC

Name	*Home Address*
Kenneth Ackley	Chapman
Rena Adam	Ontario
Elmer Adams	Eugene
Olive Adams	Eugene
Raymond Adkisson	The Dalles
Marian Ady	Eugene
Wayne Akers	Wasco
Virginia Albert	Eugene
Ray Alexander	Springfield
Marjory Anderson	Eugene
Ethel Armitage	Eugene
Mabel Armitage	Eugene
Teddy Ashley	Springfield
Eugene Baker	Eugene
Katherine M. Baker	Hood River
Kathryn I. Baker	Hood River
Dorothy Barber	Coburg
Lois Barnett	Wasco
Lela Barnum	Grass Valley
Helen Bell	Eugene
Margaret Biddle	Milwaukie
Mildred Blaker	Vancouver, Wn.
Mrs. Edith Bockes	Eugene
Robert F. Boetticher	Albany
Laura Bowen	Eugene
Claudia Broders	Eugene
Lillian Brock	Hood River
Vadabelle Brown	Eugene
Wanda Brown	Stayton
Roy Bryson	Eugene
Mrs. Edna L. Burke	Eugene
Esther Burkett	Eugene
Clara Calkins	Klamath Falls
Madge Calkins	Eugene
Arthur Campbell	Heppner
Jane Campbell	Eugene
Marcile Carlock	Portland
Helen Casey	Roseburg
Anna Chipping	Hood River
Elise Collins	Eugene
Margaret D. Conklin	Portland
Pearl Craine	Bandon
Violet Crandall	Eugene
Mrs. Peter Crockatt	Eugene
Kathleen Davis	Chinook, Wn.
Ruth E. Davis	Eugene
Marian Day	Eugene
Lazelle Delano	Eugene
Marjory Delzell	Klamath Falls
Vera Derflinger	Eugene
Hoyt Devereaux	Eugene
Mary Devereaux	Eugene
Dorothy Dickey	Eugene
August Dindia	Portland
Alma Ditto	St. Helens
Dorothy Dixon	Eugene
Dorothy Dodds	Dufur
Dorothy Donivan	Eugene
Frances Dresser	Eugene
Laura Duerner	Eugene
Marian Dunham	Milwaukie
Margaret Edmunson	Eugene
Eunice Eggleson	Joseph
Ed Ellerbeck	Eugene

Name	Home Address
Lucile Elrod	Portland
Amelia Esperza	Eugene
Stanley Fargher	Dufur
Sula Fargher	Dufur
Margaret Fell	Eugene
Florence Foster	Eugene
Glenn Frank	Eugene
Patty French	Portland
Helen Frease	Rapid City, S. D.
Florence Furuset	Springfield
Ruby George	Eugene
Eleanor Gettings	Eugene
Marion Gilstrap	Eugene
Elizabeth Gilstrap	Eugene
Mrs. Roy Glass	Eugene
Isobel Goodnough	Wallowa
Lola Greene	Myrtle Point
Nadeen Green	Eugene
Ruth Green	Wapota, Wn.
Elinor Kate Grinstead	Eugene
Mrs. Jean Grinstead	Eugene
Helen Gronholm	Astoria
Carroll Groshong	Eugene
Roma Gross	Eugene
Irene Hagenbuch	Eugene
Gladys Hampton	Eugene
Mildred Hanson	Eugene
Gail Haxby	Eugene
Ruth Headley	Eugene
Wayne Headley	Eugene
Cornelia Heess	Portland
Mrs. Arthur Hendershott	Eugene
Arthur Hendershott	Eugene
Hester Hillpot	Eugene
Marie Holden	Tillamook
Jacob Holzman	Portland
Cecil Howe	Eugene
Hester Hurd	Florence
Frances Hyland	Eugene
Maybelle Jarrett	Redmond
Fritzi Jensen	Junction City
Narcissa Jewett	Gardiner
Donald Johnson	Eugene
Ralph Johnson	The Dalles
Margaret Jones	Orofino, Ida.
Beulah Keagy	Portland
Dwight Kessey	Springfield
Georgianna Kessi	Harlan
Elizabeth Kirby	Portland
Henry Koepke, Jr.	Athena
Alfons Korn	Eugene
Magdalene Kremmel	Eugene
Ami Lagus	Astoria
Adelaide Lake	Eugene
Gwendolen Lampshire	Eugene
Percy Lassalle	Eugene
Eloine Leighton	Elgin
Gladys Lupher	Eugene
Mildred McAlister	Eugene
Jessie McCord	Cottage Grove
Lucile McCorkle	Portland

Name	Home Address
Elizabeth McHaley	Prairie City
Ruth McIntyre	Eugene
Adah McMurphey	Eugene
Elsie McMurphey	Eugene
Reba Macklin	Portland
Margaret A. Mansfield	Portland
Dena Marshall	Portland
Elsie Marsh	Eugene
Leona Marsters	Roseburg
Stephen Matthieu	Portland
Irene Maxwell	Eugene
Lorna Meissner	Portland
Florence Miller	Creswell
Hugh Miller	Eugene
Ruth Miller	Eugene
Dwight E. Mitchell	Sparta
Mary Moore	Eugene
Inez Monroe	Eugene
Zelda Monroe	Eugene
Eustace Moore	Eugene
Beatrice Morris	Eugene
True Morris	Eugene
Jane Murphy	Pendleton
Margaret Nelson	Portland
Carl Newbury	Klamath Falls
Anastasia O'Farrell	Eugene
Mildred Oliver	La Grande
Martha Overstreet	Nyssa
Helen Parker	Eugene
Lois Parker	Eugene
Lucile Parsons	Redmond
Paul Perfect	Eugene
Curtiss Peterson	Eugene
Shailer Peterson	Eugene
Margaret Phelps	Pendleton
Frances Pierce	Eugene
Mrs. Ursula Pim	Eugene
Alberta Potter	Eugene
Aurora Potter	Eugene
Grace Potter	Eugene
Jessie Powell	Eugene
Katherine Powell	Eugene
Effie Price	Marcola
Edwina Prosser	Eugene
Laura Rand	Portland
Hazel Redmon	Eugene
Margaret Reynolds	Eugene
Edna Rice	Portland
Arthur Richardson	Eugene
Naomi Robbins	Molalla
Vernita Robinson	Eugene
Loeta Rogers	Independence
Myrtle Ross	Pendleton
Charles Runyan	Eugene
Elizabeth Sampson	Eugene
Ann Schaefers	Eugene
Ruth Scott	Springfield
Mrs. Seierson	Eugene
Gifford Seitz	Eugene
Vera Shaver	Portland
Lewellyn Shumway	Eugene

Name	*Home Address*
Willetta Shumway	Eugene
Myrtle Silvey	Wasco
Marvel Skeels	Coquille
Helen Smith	Eugene
Hermione Smith	Eugene
Marjory Smith	Eugene
Frankie Snodgrass	Eugene
Alice Southworth	Eugene
Paul Spangler	Eugene
Geraldine Spencer	Eugene
Lottie Spencer	Joseph
Phyllis Sprague	Eugene
George Stearns	Prineville
David Lloyd Stearns	Portland
Leroy Stephens	Eugene
Irene Stewart	Eugene
Lloyd Still	Milton
Winifred Stoll	Eugene
Vivien Strong	Carson, Wn.
Frances Tate	Wasco
Mary DeBar Taylor	Eugene
Florence Tenneson	Portland
Elizabeth Thacher	Eugene
Margaret Thompson	Bend
Margaret Tingle	Eugene
Weltha Trafzer	Eugene
Fredericka Travis	Eugene
Gould Travis	Eugene
Ruth Trezise	Boulder, Colo.
Frances Vaughn	Eugene
Helen L. Watts	Scapoose
Walter Wegner	Sutherlin
Stanley Wentz	Portland
Beatrice Wetherbee	Eugene
Alice Wherity	Astoria
Clare Whitton	Eugene
Melba Williams	Eugene
Gail Winchell	Eugene
Dorothy Wootton	Astoria
Hazel Young	Portland
Eunice Zimmerman	Eugene
Mrs. E. L. Zimmerman	Eugene

FIRST OREGON STATE OFFICERS' TRAINING CAMP

UNIVERSITY OF OREGON

June 24th to July 20th, 1918

COMPANY A

Name	*Home Address*
George Anderson	Portland
Albert Applegate	Eugene
F. S. Burt	Portland
Claude Asquith	Portland
Elliott Corbett	Portland
Marshall Lewis Ellis	Portland
Claude T. Holling	Portland
Glenn E. Husted	Portland
O. K. Jeffery	Portland
Ross H. Linnville	Portland
J. P. Lipscomb	Portland
Edwin J. Loney	Powers
Sanford P. Lowengart	Portland
F. Lynch	Portland
Douglas McChesney	Portland
L. J. Mannel	Eugene
William Lee Powell	Portland
Harold G. Rice	Portland
Paul H. Riggs	Portland
Charles J. Sadilek	Portland
Jay Saltzman	Bend
Frank H. Sherwood	Rainier
James G. Smith	Portland
Lloyd R. Smith	Portland
John M. P. Snyder	Pendleton
Lou Wagner	Portland
Gordon R. Watt	Salem

COMPANY B

Walter R. Bailey	Gladstone
L. M. Betchtell	Prineville
J. C. Norton Bradford	Canby
Edward G. Burgess, Jr.	Medford
Harry B. Cusick	Albany
Earle Daue	Salem
Abijah Fairchild	Enterprise
Jesse E. Flanders	Portland
Aaron M. Frank	Portland
Walter J. Gearin	Portland
Ercel Hedrick	Drain
Millard C. Holbrook	Portland
Laurel M. Hoyt	Hillsboro
J. F. Hutchinson	Union
Frank T. Kelleher	Bend
W. J. Mishler	No address
William T. Panck	Portland
Ansell Parker	Trent
Arthur D. Platt	Portland
R. W. Rose	No address
R. A. Schramm	Portland
Ambrose B. Scott	Portland
H. W. Skuse	Bend
Lymon L. Spencer	Roseburg
O. B. Stalnaker	No address
C. W. Taylor	North Bend
Harry Veach (also third camp.)	Lowell
Walter S. Wells (also third camp)	Bandon

COMPANY C

John Kenneth Bain	Portland
W. F. Boyer	Portland
Rexford H. Conant	Portland
Guy Cordon	Roseburg
Clyde J. Deegan	Shelton, Wash.
L. A. Dillon	Portland
R. B. Dorney	Portland
Reed M. Ellsworth	Portland
V. C. Gilbert	Portland
George A. Hansen	Portland
William I. Harrison	Portland
M. H. Hartwell	Portland
W. J. Heerdt	Portland
William O. Holmes	Baltimore, Md.
Harper N. Jamison	McMinnville
C. B. Kahley	Hoquiam, Wash.
John B. McCourt	Portland
Wayne L. Mills	Portland
Donald C. Rogers	Klamath Falls
W. D. Scott	Portland
Otis L. Shea	Portland
F. C. Squire	Portland
Charles R. Wallis	Portland
Ralph M. Walter	Portland
Clarence Lee Whealdon	Portland
R. L. Whipple	Roseburg
Thomas E. Young	Portland

Company D

Name	Home Address
Earl J. Adams	Silverton
George H. Currey	Vale
Rollin Dickerson	Portland
Emery C. Dye	Oregon City
Francis V. Galloway	The Dalles
C. E. Hamilton	No address
Noah W. Howard	Rainier
Robert A. Hudson (also third camp)	Portland
Louis V. Lundburg	Portland
Lloyd L. Lydick	Eugene
M. M. McMillen	Portland
W. R. McWilliams	Portland
Ira Albert Manville	Eugene
Herbert Hill Matthews	Gold Hill
Josiah K. Moore	Silverton
Carl R. Moser	Silverton
C. A. Nutt	Rainier
Theodore B. Novak	Hillsdale
H. J. Overturf	Bend
Tom Parker	Portland
George P. Rheisen	Portland
Giles M. Ruch	Eugene
Ben H. Schmidt	Vancouver, Wash.
Glenn C. Stater	Stanfield
Richard Tipton	Portland
Charles Howard Voorheis	Portland
Edward Wertzba	American Falls, Ida.
H. W. White	No address
A. A. Wilson	No address
George McMurphy (Bugler)	Eugene

SECOND OREGON STATE OFFICERS' TRAINING CAMP

University of Oregon

August 3d to August 31st, 1918

Company A

Name	Home Address
Julius D. Anderson	Seattle, Wash.
Chester H. Baker	Portland
William Bell	Salem
Henry Sidney Bennett	Portland
Franklin Hale Call	Portland
Henning Carlson	Portland
James Carroll Cecil	Suntex
Arthur M. Churchill	Portland
Horace E. Coolidge	LaGrande
Winnie Y. Crowson	Medford
Harry Tibbles Donivan	Portland
Wm. A. Ekwall	Portland
Floyd Ansil Ellis	Seattle, Wash.
Wilfred Eulberg	Portland
Alfred A. Hampson	Portland
Eric V. Hauser, Jr.	Portland
Mark Dunlap Hawes	Portland
Frank E. Hayek, Stevensville, Mont.	
Alfred Hexter	Portland
Harry R. Hibbs	Greeley, Colo.
Walter J. Hinton	Ironside
Lester Teal Hodson	Portland
William Harold Humphrey	Portland
James S. Johns	Pendleton
Buddington W. Jones	Portland
George F. Judd	Astoria
James Russell Kelly	Portland
Iver N. Madsen	Albany
Fred E. Mangis	Salem
Donald C. McCreery	Greeley, Colo.
Edward Arthur McGrath	Portland
Charles Henry Mead	Portland
Chester A. Moores	Salem
Harold A. Moser	Portland
Howard Preston Miller	Stevensville, Mont.
Hollie S. Rice	The Dalles
LeRoy G. Richardson	Portland
Joseph G. Richardson	Portland
Joseph F. Riesch	Portland
Thomas A. Roberts	Salem
Sidney T. Robinson	Portland
Royal M. Sawtelle	Pendleton
Sanford Sichel	Portland
Richard R. Sleight	Portland
Lot Livermore Snodgrass	La Grande
George W. Snyder	Pateros, Wn.
Floyd South	Scio, Oregon
Bruce D. Stewart	Portland
Sol G. Stiller	Portland
Berry Sturgeon	Portland
Grover W. Utzinger	Astoria
Charles Burnham White	Portland
Charles Lee Wilson	Portland
Earl B. M. Wright	Portland

Company B

Name	Home Address	Name	Home Address
James Martin Albert	Portland	Charles Abner Howard	Eugene
William T. Anderson	Huntington	Burnice L. Hughes	Junction City
James Lowell Armstrong	Portland	John Gray Imel	Grants Pass
Charles B. Arthur	Harlan	C. L. Maris	Portland
Raymond F. Becker	Portland	Albert F. Micelli	Roseburg
David John Boost	Portland	John J. McD. Morrisey	Portland
Joseph Blumberg	Portland	Max A. Nayberger	McMinnville
Frank W. Bowen	Portland	George E. O'Bryon	Stevenson, Wn.
Andrew D. Boyd	Portland	Gordon Magness Parker	Portland
Lewis Christopherson	Silverton	Shirley D. Parker	Portland
Simon Cohen	The Dalles	Paul Pierce	Salem
W. B. Cook	Oregon City	Floyd L. Privett	Portland
Ellis E. Cooley	Salem	Arthur Calvin Raven	Portland
E. M. Condit	Tillamook	Cecil W. Robey	Oregon City
Charles C. Corsoner	Grand Junction, Colo.	William Wade Rodwell	Hood River
		Lynn M. Royal	Portland
Clarence C. Currin	Portland	Lauren H. Schlacter	Portland
Norman A. Desilet	LaGrande	William Henry Schuller	Portland
William E. Durand	Redmond	Frederick G. Snedicor	Medford
Frank Albion Dudley	Portland	Fred W. Snyder	Molalla
Darius V. Dyke	Walter, Okla.	Clarence W. Sprenger	Portland
J. Lee Eckerson	Canby	Harry Clair Stockdale	Dufer
Patrick Foley	LaGrande	William B. Stokes	Oregon City
Phil A. Goodwin	Albany	Frank B. Thompson	Milwaukie
Howard A. Hill	Portland	Leonard Charles Torgerson	Portland
*George Horsfall	Marshfield	*Roy Neil Veatch	Eugene
Arthur Daniel Hosfeldt	Portland	William J. Whitten	Portland
George H. Houck	Roseburg	Elmer E. Wilson	Medford

Company C

George Raymond Alexander	Portland	Ernest G. Hopson	Portland
*George Black, Jr.	Portland	Eben Wheeler Howland	Ontario
Fred Lamon Bonney	Portland	Frederick Jensen	Portland
Robert Edgar Bower	Portland	E. L. Keezel	Eugene
Everhard H. Boyle	Bandon	William R. Kelly	Greeley, Colo.
W. R. Boyle	Portland	*Stephen W. Matthieu	Portland
Clifford W. Brown	Salem	James Arthur Menzies	Beaverton
Delbert Earl Carr	Roseburg	Roderick C. Miles	Salem
Raymond P. Caufield	Oregon City	Walter J. Moore	Eugene
Harry M. Chambers	Portland	Frederick Lewis Monroe,	Portland
Edward G. Clark	Portland	Andrew Dickinson Norris	Portland
Earl Samuel Cobb	Portland	John A. Paterson	Portland
Everett E. Cobb	Portland	Bushnell Ralph Potts	Portland
Elmer Teed Colwell	Portland	Harry Henry Rosenburg	Seattle, Wn.
James Lewis Conley	Portland	Custer E. Ross	Silverton
Herman Andrew Cook	Portland	Fred Miller Roth	Canby
Lee Earl Emery	Eugene	Edgar W. Smith	Portland
Trevis H. Fenton	Eugene	Victor E. Storli	Eugene
George W. Frazier	Portland	Irvin C. Thomas	Forest Grove
Kenneth F. Frazer	Portland	Horton Thompson	Sutherlin
Harry I. Gevurtz	Portland	Roy F. Walton	Portland
Lester H. Hamley	Pendleton	Theodore B. Wilcox	Portland
Harry M. Hawkins	Salem	Erskine Wood	Portland
Wm. A. Hazelton	Portland		

Company D

Adolph B. Adams	Portland	Enoch Holt Brown	Gresham
Thomas Harry Banfield	Portland	William J. Busick	Salem
Harry Beal	Portland	Lawrence C. Callahan	Portland
George E. Bronaugh	Portland	Byron Hawkins Conkle	Silverton

*Also enrolled in regular University courses.

Name	Home Address
Carl Vom Cleff	Portland
James A. Crawford	Burlington, Ia.
Martin J. Daerfler	Silverton
Allan A. Doane	Portland
Thomas Mahoney Doyle	Portland
Eugene C. Euwer	Parkdale
Harlan Ross Faucher	The Dalles
Luke Allen Farley	Portland
Roy F. Faulkenbury	Portland
T. H. Foley	Bend
Ashley Forrest	Bend
Clarence Edwin Francis	Portland
Homer E. Frye	Portland
Harry Wilbur Gamble	Portland
Thomas L. Garland	Portland
William Piatt Gray	Portland
Otto K. Hance	Portland
Roscoe Brown Hazer	North Bend
Roy Hollabaugh	Portland
Mervin Herbert Horton	Bend
Robert A. Hudson (also first camp.)	Portland
*George W. Korn	Eugene
Henry Korn	Eugene
Philip F. Liddell	Portland
Clyde E. Lewis	Portland
Wynn A. Manning	Bend
Jim Y. Maxwell	Elmira
Donald E. McPherson	Portland
Curtis C. McKinney	Portland
Sidney Mills	Portland
James W. Mott	Astoria
Daniel F. Murphy	Portland
William M. Peare	LaGrande
Arthur Peterson	Portland
Paul B. Powers	Portland
William Robert Rutherford	Eugene
Eugene F. Samuel	Portland
William Oliver Sandel	Silverton
Arnold J. Spaniol	Portland
John George Seed	Portland
Philip H. Stewart	Prosser, Wn.
Robert Farley Strong	Portland
Edward Taylor	Forest Grove
Alfred S. Teller	Portland
George R. Thompson	Chehalis, Wn.
Wallace R. Telford	Boring
John Watson, Jr.	Turner
Algie L. Weinheimer	Hood River
Earl Richard Weller	Portland

PIONEER COMPANY—SECOND CAMP

(Men who attended both First and Second Camps.)

Sam B. Archer	Portland
Martin B. Biddle	Milwaukie
William Sheperd Biddle (also third camp.)	Milwaukie
Nelson C. Bowles	Seattle, Wn.
Henry Evart Bulla	Richmond, Ind.
Herbert G. Chickering	Portland
Willis K. Clark	Newberg
*Wm. H. Daughtry, Jr.	Portland
Richard C. Emmons	Portland
Frederick A. Feikert	Portland
Edwin J. Frohman	Portland
Robert Goetz	North Bend
Edward H. Graham	Portland
*George Hartness	Portland
Clarence L. Horn	Portland
Eliot Holcomb	Portland
Henry V. Howe	Eugene
Walter W. Huelat	Portland
George Jackson	Portland
Jacob Gray Kamm	Portland
William J. Kane	Monroe
Jack Layton	Portland
James A. McKinnon	Portland
J. J. McNorney	Portland
Samuel C. May	Portland
Edward B. Maxmeyer	Portland
Charles E. Miller	Linnton
Samuel G. North	Oregon City
Earl Perry	St. Helens
Arnold S. Rothwell	Portland
Wm. A. Ruth	Portland-Eugene
Ronald M. Sherman	Portland
Glenn L. Sigel	Portland
Claude B. Washburne	Junction City
Monte J. Wax	Portland
Simeau Reed Winch	Portland

THIRD OREGON STATE OFFICERS' TRAINING CAMP

COMPANY A

Percy T. Ainge	Portland
Harold M. Austin	Woodburn
Fred C. Baker	Portland
Ralph B. Bennett	Hood River
Leigh S. Bennett	Hood River
George William Bent	Chemawa
Llewellyn Fay Buck	Portland
Norman Angus Buist	Portland
Thomas A. Burke	Gladstone
Arnold Cohen	Portland
John Wesley Conaway	Eugene
Robert John Conroy	Medford
Orvill J. Hull	Salem
Julien A. Hurley	Vale
Frank J. Herman	Portland
Lewis Percy Hewitt	Portland
Harvey Wagner Hicks	Portland
Arthur Howard Knaus	Portland

*Also enrolled in regular University courses.

Name	*Home Address*	*Name*	*Home Address*
Joseph A. McInerny	The Dalles	Harry Vernon Levage	Mercer
Robert E. Manning	Nampa, Ida.	Robert Day Lytle	Vale
William George Manning	Portland	Maurice Raymond Maney	Milwaukie
Henry Dewey Nave	Portland	George Lawrence Simmonds	Portland
Edward John O'Connell	Portland	Frederick Harvey Strong	Portland
Franklin Fisk Proctor	W. Woodburn	Chester A. Studebaker	Chehalis, Wn.
Jesse Nathaniel Shainwald	Portland	Raymond Ambrose Sullivan	Portland
Robert Harrington Creager	Coquille	Ross H. Sweet	Marshfield
George Huntington Curry (also third camp.)	Vale	Paul I. Tappendorff	Sherwood
		*Hugh M. Thompson	Bend
George Earl Davidson	Spokane, Wn.	Arthur L. Tucker	Portland
Claude Vitus Dudrey	Portland	Vernon Vawter	Medford
Floyd Ansil Ellis (also second camp.)	Portland	Samuel Black Wade	Portland
		Arthur E. Ward	Portland
Dean Trueman Goodman	Eugene	Walter Stanley Wells	Bandon
Charles Edgar Greene	Portland	*Joseph F. Williams	Marshfield

Company B

Zopher N. Agee	Roseburg	L. L. Leadbetter	Oswego
Geoffrey E. Aldom	Centralia, Wn.	George McDonald	Portland
Billy S. Allen	Bull Run	Howard Earl DcDorman	Portland
Gilbert W. Allen	Salem	George William Metter	Portland
William N. Ambrose	Spokane, Wn.	Oscar W. T. Muellhaupt	Portland
George Percival Bromley	Portland	John Hawkins Napier	Bend
Wesley H. Chatten	Portland	Clemens I. Meyers	Portland
James T. Chinnock	Grants Pass	Edwin Glazier Phipps	Portland
Carlos C. Close	Portland	Guy Robert Porter	Portland
Henri Hubert Cloutier	Portland	Frederic Earl Powell	Portland
Frederick Marion Dempsey	Portland	George A. Richardson	Portland
Joseph Edward Dougherty	Portland	George M Schaefer	Portland
Fred George Evenden	Astoria	George F. Schiewe	Portland
Alexander Hugh Ferguson	Roseburg	George F. Schoot, Jr.	Portland
Harry Melville Flavel	Astoria	J. Laurence Sigmund	Stayton
George Getting	Marshfield	Philip Furman Standish	Portland
Robert Fred Gilman	Portland	Robert Jarvis Upton	Portland
Norman Robert Greer	Hillsboro	Glenn Y. Wells	Portland
Harry Hale	Portland	James Henry Wells	Portland
Oscar F. T. Jonson	Portland	Taylor Charles White	Portland
Arthur W. Morris	Portland	Laurist E. Williamson	Portland
Harry Van R. Kadderly	Joseph	Albert W. Worthen	Tacoma, Wn.

Company C

Earl Clayton Barber	Portland	Randolph R. Manning	Central Point
Harry George Barklage	Hood River	Francis R. Olds	Klamath Falls
Carlton Newman Barrett	Baker	John R. Purcell	Portland
Paul Emil Blanchard	Portland	James Henry Ralph	Portland
Frederick O. Bradshaw	Hermiston	Basil E. Ralston	Burns
Arthur T. Brown	Portland	Allan Vincent Ritchie	Portland
John F. Cahalin	Portland	Elliott Philip Roberts	Boyd
Edmund B. Cooper	Grants Pass	Edward B. Sampson	Hillsdale
Thomas G. Donaca	Portland	James T. Schuyler	Portland
Duane Abbott Fellows	Portland	Cord E. Sengstake	Portland
William Percy Folsom	Pilot Rock	Walter Phelps Stewart	Portland
Martin H. Galt	Forest Grove	Walter Riley Stokes	Medford
Harry F. Gordon	Marshfield	Charles Ernest Stricklin	Salem
John Harold Henry	Portland	William George Tucker	Portland
Robert Ellis Hitch	Portland	Thomas Vaughan	Portland
Henry Wells Howard	Prineville	Ira Thomas Walker	Portland
Frank Wallace Howell	Portland	Wesley M. Wire	Newberg
Warner Whitham Howard	Medford	Berwick B. Wood	Portland
William A. Hudelson	North Powder	Rae Benjamin Woodbury	Portland
Milton E. Kahn	Portland	Alexander Young	Portland
John A. Lee	Portland	Edwin G. Young	Oakland
Augustus M. Mallory	Portland		

*Also enrolled in regular University courses.

Name	*Home Address*	*Name*	*Home Address*

Company D

Walter Ralph Alvin	Lebanon	George Auxier Myers	Looking Glass
William T. Anderson	Huntington	Robert E. Nealon	Central Point
Jasper Presley Bishop, Jr.	Yoncalla	Jerome J. Rosenthal	Portland
Sydney S. Bowman	Portland	Walter G. Richardson	Franklin, Ind.
William J. Busick	Salem	Sam John Shoemaker	Roseburg
William C. Campbell	McMinnville	Hugh D. Smith	Pendleton
Charles C. Chamberlin	Portland	Ira C. Smith	Tillamook
Ellis E. Cooley	Salem	Edgar M. Swan	Vancouver, Wn.
Charles C. Corsoner	Cloverdale	James Richardson	Portland
William F. Crowe	Walla Walla, Wn.	Thomas Robinson Townsend	Salem
William Glen DeHaven	McMinnville	Cuyler V. VanPatten	Salem
Olin Kinsell DeWitt	Portland	Dean Vincent	Portland
Joseph J. Doerfler	Silverton	Felix R. Wagner	Portland
Robert B. Duncan	Salem	John W. Wingate	Kansas City, Mo.
Clarence W. Emerson	Portland	Ardee L. Wallace	Salem
Virgil Horton Epps	Portland	George Horace Wilcox	Grass Valley
Howard B. Hall	Portland	Donald W. Yantis	The Dalles
John Wallace Harbison	Salem	Arne Christopher Zahl	Portland
Floyd Frank Howard	Butte Falls		

Company E

George W. Alling	Portland	A. M. Koester	Portland
Guy Luther Anderson	Portland	Charles Hartman Marsh	Pendleton
Alfred S. V. Carpenter	Medford	George Morgan McBride	Seattle, Wn.
Herbert Fanning Clarke	Clackamas	Frank B. McCord	Chehalis, Wn.
Willis E. Clark	Windsor, Mo.	Lewis Hunt Mills	Portland
Henry Ladd Corbett	Portland	William C. Montgomery	Portland
Curtis Edward Decker	Portland	Raymond Moore	Boise, Ida.
Henry Chandler Egan	Medford	Roland Neil Oliver	Pendleton
Calvin Lyle Farrer	Lake Creek	Frank Gilchrist Owen	Medford
Luther James Fellows	Vale	Alpheus W. Parshley	Portland
Claud H. Giles	Myrtle Point	James Roy Raley	Pendleton
Veyle Howard Gwynne	Portland	J. G. Richardson	Portland
Henry Earl Haefner	Grants Pass	Jack Farrar Skillern	Boise, Ida.
Raymond Walter Hatch	Pendleton	Ernest Chandler Smith	Hood River
William H. Hildebrandt	Portland	Frank Henry Sperb	Hubbard
Carl Imes	Portland	Wallace R. Telford	Boring
K. H. Koehler	Portland	Bayard G. Worthington	Medford

Machine Gun Company

Charles Edward Bailey	Portland	Donald Earl Masterson	Juntura
John Benson Beardsley	Eugene	Charles A. Myers	Medford
William M. Beckner	Catawba, Va.	William Trigg Newman	Wallace, Va.
James Burness	Portland	Alvin C. Nielsen	The Dalles
Douglas M. Burrell	Portland	John H. Peare	La Grande
Joseph Nelson Byram	Mohawk	G. Edward Pierce	Medford
Herman Harold Chindgren	Molalla	Charles Clarence Ralph	Portland
Herbert Birdsene Clark	Medford	Robert Gerald Stuart	Medford
Claud Harrold Davis	Grants Pass	Walter N. Schroeder	Portland
Charles H. Eagleson	Boise, Ida.	Edward Evans Seabrook	Portland
Howard R. Edmunds	Tillamook	Victor Shaw	Prineville
Henry Robert Fleming	Cooston	Harry Irwin Stearns	Prineville
Theodore Forcier	Woodburn	Plowden Stott	Portland
Harry Ernest Gray	St. Paul, Minn.	James H. Sargent	Santa Susan, Cal.
Claudius Toane Holling	Portland	Harry W. Veach	Lowell
James Frances Hutchinson	Union	William G. Walby	Portland
Walter Bennett Jamison	Portland	Rollie W. Watson	Tillamook
Leon Liebes	San Francisco, Cal.	A. E. Weller	Portland
Hubert Richard Lukens	Coquille	Robert F. Wendling	Portland
William Martin Maguire	Portland	Eric F. Wightsman	Roslyn, Wn.
John W. Moorehead	Ames, Iowa	Harold Sewall Yoe	Portland

SUMMARY OF OFFICERS AND INSTRUCTORS

Administration—		
Regents	14	
Other administrative officers	17	
	—	31
Instruction—		
Academic Colleges and Schools:		
Professers and Assistant Professors	66	
Instructors and Assistant Instructors	22	
School of Music	12	
School of Medicine	34	
School of Law	4	
		138
		169
Deduct for names appearing more than once		13
Total officers and instructors		156

SUMMARY OF STUDENTS

Graduate School		12
College of Literature, Science and the Arts:		
Men	660	
Women	622	
	—	1282
Summer School		541
School of Medicine		77
School of Music		229
Names appearing more than once		195
Total students in residence		1936
State Officers' Training Camps		609
Total officers, instructors, and students		2547

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